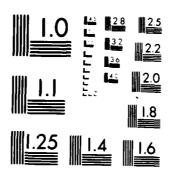
20403 AT ASSAULT BREAKER MISSILE NUMBER 0011 ROUND AD-A124 076 1/1 NUMBER MIOG7 15 DECEMBER 1982(U) ARMY ELECTRONICS RESEARCH AND DEVELOPMENT COMMAND WSMR NM ATM... · NL UNCLASSIFIED D C KELLER DEC 82 ERADCOM/ASL-DR-1282 F/G 4/2 END DATE 4-88 DTIC



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METEOROLOGICAL DATA REPORT

20403 AT Assault Greaker Missile Number 2011 Round Number 17007 15 December 1012

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DOWALD C. KELLER Program Support Coordinater Phone Tumber (80) (373-050) AVI Tumber 349-956°

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ATMOSPHERIC SCIENCES LABORATORY WHITE SANDS MISSILE RANGE, NEW MEXICO

FEB3 B

UNITED STATES ARMY ELECTRONICS COMMAND

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- Meteorological data gathered for	the launching of	the 20403 AT Assault Breaker,
Missile Number 0011, Round Number		
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INTRODUCT: ON

20403 AT Assault Breaker, Missile Number 0011, Round Number M10G7, was launched from LC-33, White Sands Missile Range (WSMR), New Mexico, at 0839:23 MST, 15 Dec 1982. The scheduled launch time was 0800 MST.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

a. Surface

- (1) Standard surface observations to include pressure, temperature (O C), relative humidity, dew point (O C), density (gn/m 3), wind direction and speed, and cloud cover were made at the LC-33 Met Site at T-0 minutes, and the Jallen Met Site at 0750, 0840, and 0910 MST.
- (2) Anemometer data were provided from existing pole-mounted and tower-mounted anemometers at LC-33. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.

b. Upper Air

(1) Low level wind data were obtained from pilot-balloon observations at:

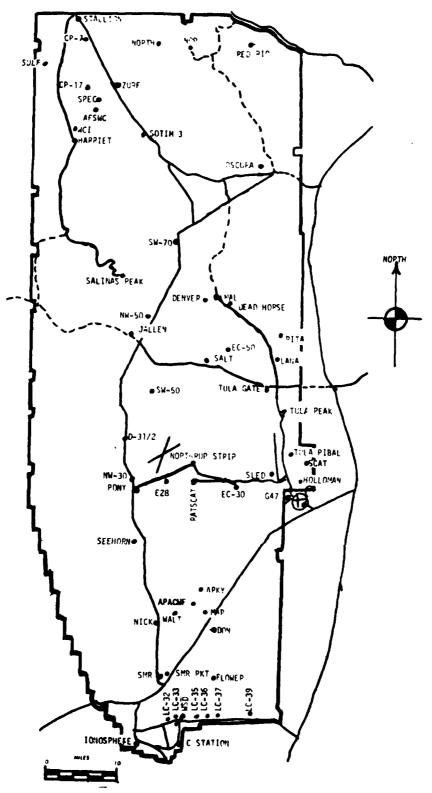
SITE	ALTITUDE	TIME
WSD	2760 Meters	0827 MST
WSD	2760 Meters	0840 MST
JALLEN	1800 Meters	0740 MST
JALLEN	2940 Meters	0335 MST

(2) Air structure data (rawinsonde) were collected at the following Met Sites.

SITE AND TIME

Jallen	0530	MST
LC-37	0700	MST
Holloman	0700	MST
WSD	0830	MST
.lallen	0835	MST

WSMR METEOROLOGICAL SITES



	•	-93 Lav. Ci Afrid	W In K
			AEE3
1			1 inch = 250 ft = -
	Y107,500		
			†
• •			
	(186 ₃ 00)		emometer Fole #3 Productor Pole #2 -519A
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PPOJECT SURFACE OBSERVATION

TABLE 1	[· ·	STATION LC-33 E&A	.33 E&A		
DATE 15	Dec	Dec 82				(484,982.64		x= 484,982.64	3995.00
TINE II S I	PRESSURE TE	30,717,134,131 30 30 30 30 30 30 30 30 30 30 30 30 30	SEN FOLKE		RELATIVE RUSTOITY	£47.50	JINECTION SPEED degs In kts	SPEED Kts	CHALACTER Kts	VISIBIL- ITY
0840	888.5	2.9		-2.1	. 69		150	02		20

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OBSTRUCTIONS	1s	t LAYE		2nc	1 LAYE	o.:	35.	C LAYE	6.2	PETARKS
TO VISIBILITY	AMT	AMT TPPE HGT	нст	AisT	TYPE	AMT TYPE HST	A:T	AIT TYPE HGT	HGT	
	5	SO	cs 25,000							

 PSYCHROFETRIC CONSULATION

 TIME:
 MST
 0839

 DRY BULD TEMP.
 2.9

 WET BULB TEMP.
 0.8

 WET BULB SEMP.
 2.1

 DEW POINT
 -2.1

 PELATIVE HUMID.
 69

POLE #1 X425,97 /1 3,46 H422.1 30.7 ft	4.23 3.30		POLE = 7415,8 f1 6 44 33.	74.19 12. 57		F0[8 #3 Y405, #77.29 Y105, 116.06 H4.65.90 B3.6 ft. AGU		
1-11ME	DE G	SPEED ENOTS	T-TIME SEC	1	SHEED •"IOTS	T-TIME DEC	DIR DEG	OPEED KNOTO
Τ-2.	102	03	T-30	087	02	T - 3'.	084	04
T = (r)	117	02	T-20	087	01	T-20	079	04
T-10	123	02	T- 10	087	02	T-10	078	04
T	123	02	To.0	087	02	T	078	04
T+10	134	02	T+10	091	02	T+10	078	04

TABLE 3 LC-33 METEOROLOGICAL TOWER ALLMOMETER MEASURED WINDS (202 FT TOWER)

level #1, 10 X484,980.64		3, H3993.00 (base)	LEVEL #2, 6: X48:,982.64		73, 43983.00 (base)
T-TIME SEC	DIR DEG	SPEED ENOTS	T-TIME SEC	DIR DEG	SPEED KNOTS
T - 3()	135	03	T - 30	100	03
T -2 1	145	02	T-20	100	03
T ~ 10	145	02	T-10	100	03
T - 0	148	02	T - 0	100	03
T+1')	149	02	T+10	105	03

LEVEL #3, 10 X484,982.64		3, н3983.00 (base)	LEVEL #4, 20 X484,982.64		73, H3983.00 (hase)
T-TIME SEC	DIR DEG	SPEED KNOTS	T-TIME SEC	DIR DEG	SPEED KNOTS
T - 30	098	04	T-30	124	02
T -20	098	04	T-20	124	02
T -10	098	03	T-10	121	02
T - 0	098	03	T - 0	121	02
T +10	098	03	T +10	121	02

1011V163890 303135 1031603

TABLE 4	j						STATION JAL-R	æ		
DATE 15	Dec 137771	82	į				7= 451,560.00 Y= 465,177.00 H* 4051.00	×= 41	65,177.00 H	4051.00
TING MSI	2905530 2905530 29055	100 1100 1100	F - C)	1410 1 130 uo	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		010E(110V) degs In) S () () () () () () () () ()	ALTER AUSER	#15181L- 17Y
0750	885.1		-0.1		-6.2	64	310	04		40
0840	885.6		-0.3		-2.9	83	080	02		40
0100	885.9		1.0		-3.9	70	070	03		40

	2009431				
	3rd Lefes	ACT TYPE HGT			
במנוס בי	2nd LAYEP				
	·		cs 25,000	cs 25,000	cs 25,000
	St LayE	AMT TYPE HST	SO	SO	SS
		AM	2	4	4
	DESTRUCTIONS	TO VISIBILITY			

PSYCHEOTETET COMPUTATION

: 3.11	0220	0840	0100
DRY BULD TEMP.	-0.1	-0.3	1.0
WET BULB TEMP.	-2.3	-1.3	-1.0
WET BILLE DEPR.	2.2	1.0	2.0
DEW POTRT	-6.2	-2.9	-3.9
RELATIVE HUMTS.	64	83	70

FILOT BALLOON MEASURED WIND DATA

TABLE	5							
RELEASES	FROM W	SD	DAT	15 Dec	82		TIME 0827	MST
	С	OOPDINATES	(WSIM) X	488,852.29	Y =	184,982.45	н=3993.	75
NOTE: W	IND DIRE	CTIONS ARE	REFERENCED	▼ ",	<u> </u>			
HEIGHTS	ARE METE	RS AGL_X_G	OR FEET ADE	•				
HEIGHT AGL	DIRECTI DEGREES	ON SPEED FNOTS		DIFECTION DEGREES	SPEED KNOTS		DIRECTION DEGREES	SPEED KNOTS
SFC	060	05	1680	293	13	700	DEGRE: 3	1
60	015	02	1740	299	12			
120	343	03	1300	238	12			
180	358	07	1860	290	12			
240	354	09	1920	291	14			
300	357	08	1980	301	15			!
360	014	07	2040	313	18			
420	019	07	2100	317	20			
430	020	06	2160	318	21			
540	013	02	2220	323	23			
600	316	02	2280	317	23			
660	280	01	2340	315	22			
720	305	02	2400	317	20			
780	255	01	2460	311	20			
840	000	02	2520	309	21			<u> </u>
900	325	03	2580	306	23		 	
960	308	05	2640	300	24			i
1020	291	08	2700	301	23			
1080	285	10	2760	302	22		 	
1140	288	11						1
1200	285	12						
1260	272	10						
1320	280	09						
1380	292	09			1			
1440	292	08						
1500	295	09						
1560	301	11			1			
1620	300	13						
	 		ļ	 	 			

PILOT BALLION MEASURED WIND DATA

TABLE	6	-								
RELEASED	FROM WSD			DATE	15 Dec 82				TIME 0840 M	ST
	COOR	RDINATES	(WS	TM) X=	438,852.29	Y=	184	,982.45	н= 3993	.75
NOTE: A	HND DIRECTI	ONS ARE	RE F	ERENCED	10					
	ARE METERS									
HEIGHT		1			DIRECTION			HEIGHT		
	DEGREES	RNOTS		AGL	DEGPEES	1: NOTS		AGL	DEGREES	MINTS
SFC 60	055 326	03	Г	1680 1740	294	11 13				
120	297	03	_ r	1800	272	11	!			
180	330	05	⊢	1860	287	14				
240	346	08		1920	312	16				
300	013	10	- F	1980	306	12				
360	342	10	<u> </u>	2040	317	18				
420	301	02	- F	2100	320	22				
480	041	03	⊢	2160	323	21				
540	060	03	-	2220	323	22				
6 00	295	01	⊢	2280	320	23				
660	025	02	-	2340	320	23				
7 20	065	02	⊢	2400	314	19				
780	186	03	'n	2460	312	19				
840	148	02	· -	2520	310	20				
900	301	03	- h	2580	302	23				
960	020	04		2640	299	25				
1020	317	07	_ F	2700	302	20				
1080	281	04		2760	305	21				
1140	270	07								
1 200	263	11								
1260	279	09								
1 320	270	08								
1 380	299	08	-							
1 440	300	06								
1 500	258	09								
1560	307	10	[
1 620	297	14								
	T		-		1		ļ			

PILOT BALLOON MEA UPED WIND DATA

RELEASED	FROM JAL	·	DATE	15 Dec 82	· · · · · · · · · · · · · · · · · · ·		TIME 0740 M	ST
	C00I	RDINATES	(WSTM) X	488,852.29	Y = 1	84,982.45	H= 3993	.75
NOTE: W	IND DIRECT	IONS ARE F	PE FERENCED	70				
	ARE METERS							
HEIGHT	DIRECTION	SPEED	HEIGHT	101KECTION			DIRECTION	SPEED
	DEGREES			DEGREES	I - NOTS	AGL	DEGREES	KNOTS
SFC		CALM	1680	306	12			
60		CALM	1740	307	12			
120	004	CALM	1800	308	13			
180	224	01		-	 			
240	224	01						
300	226	01						
360	234	01						
4 20	264	01			-			
480	280	02						
5 4 0	289	02						
6 00	294	03						
6 60	297	03						
720	299	04						
7 80	301	05						
8 40	301	06						
9 00	302	07						
960	303	07						
1020	302	08						
1080	302	08						
1140	301	08						
1 200	301	08						
1260	300	09		<u> </u>				
1 320	301	09			1		· · · · · · · · · · · · · · · · · · ·	
1 380	302	09			 			
1440	303	10		 				
1500	304	10		+	1			
1560	304	11		 	 			
1 620	305	11		 	+			
1 020			\ <u></u>	<u> </u>	1	<u> </u>		

PILOT BALLOON MEASORED WIND DATA

TABLE	8	-								
RELEASED	FROM JAL			DATE	15 Dec 82			·	TIME 0835 M	ST
					451,560.00					
NOTE: W	IND DIRECTI	ONS ARE	RE	FERENCED	10					
HEIGHTS	ARE METERS	AGL_X	0R	FEET AGL_	·					
HEIGHT AGL	DIRECTION	SPEED KNOTS		HEIGHT AGL	DIRECTION DEGREES	SPEED KNOTS		HEIGHT AGL	DIRECTION DEGREES	SPEED KNOTS
SFC	080	02		1680	293	13		AGE.	DEGINEES	1.11913
60	082	01	•	1740	297	13				
120	088	01	•	1800	301	14				
180	000	CALM		1860	304	14				
240	244	01		1920	307	15				
3 00	250	01		1980	309	16				
360	253	02		2040	312	17				
420	256	02		2100	314	17				
480	261	02	• •	2160	315	18				
540	265	02	•	2220	313	18				
6 00	269	02		2280	311	18				
660	274	01		2340	310	19				
720	284	02	•	2400	308	19				
780	291	02	•	2460	308	20				
840	296	02	•	2520	307	20	i			
900	300	03		2580	307	20				
960	303	03		2640	307	20				
1020	302	04		2700	307	21				
1080	301	05		2760	307	22				
1140	300	05		2820	306	22				
1200	299	06	ı	2880	305	23				
1260	299	07		2940	304	24				
1320	295	08							· · · · · · · · · · · · · · · · · · ·	
1 380	292	09	1							
1440	289	10								
1500	287	11								
1 560	285	12								
1 620	289	12								
									· · · · · · · · · · · · · · · · · · ·	
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AIMING COMPUTER MET MESSAGE 15 December 1982

SIGHIFICANT LLVLL DAIM	14900 00 to	JALLEN	OF 104F
	5741100 ACTITUDE 4051.00 FEET NSC	15 DEC. EZ GS30 HRS KST	ASCLUSION 1:0. 204

9E0DETTC COORDINATES 33-16712 LAT PEG 116-49311 LON TEG

MF L.ININ. PERCENT	70.0	0.0,	62.0	39.0	36.0	21.0	16.0	22•u	18.0	18.0	32.0	31.0	26.0	28.0																		
TEMPERATURE IR DEMPOINT REES CENTIGHAGE	-1.7	-7.5	-4.1	9·6-	5.01-	1.61-	-20.0	+-1,4	-25.to	-25.7	-24.3	2-69-0	145.0	7.67-																		
TEMPL ATR DIGKELS	-3.0	-2.5	2.4	2.7	2.6	0•	æ•	-2.7	-5.0		-10.9	-16.7	-29.B	-37.7	6.54-	-56.0	-61.9	-64.1	-61.9	-62.0	-62.4	-61.0	-60.6	-60.0	-59.0	-62.7	-62.5	-61.6	-59.3	-60.7	-60.0	-64.2
GEOMETRIC ALTITUDE MSL FFFT	4051.0	4086.4	4353.2	8.9694	5089.7	7269.4	7655.7	10197.7	12195.4	12621.1	15681.2	18757.1	24130.7	27324.3	30654.0	3,561.0	3084B•7	3, 197.2	311570.4	34151.3	P+10001+	40240.5	41674.7	42492.0	#-0#45#	45019.2	4.1857.1	4.3490.7	50487.2	51461.5	53.304 • 8	0.09500
PRESSURE MTEL THARS	884.0	882.8	673.9	962.5	656.0	182.7																					_		11:4.7	_	100.0	70.0

2		S. 15 JALLEN	
	. TELLITOR CONTINUE FLET ISL	162 Silv 9530 His 154	the total of the

950DETIC COSMUTMATES 33.10712 LAT 9EG 106.49511 LON DEG	INUEX OF REFRACTION	1.000271	1.000203	1.000253	1.000247	1.000242	1.000237	1.00023	1.000223	1.000218	1.000215	1.000211	1.000208	1.000204	1.000200	1.000147	1.000193	5810001	1.000176	1.0001	1.000178	1.000176	1.000173	1.000170	1.00016.7	1.000104	1.000161	1.000158	1.000156	1.000153	1-000150	1.000148	1.000145	1.000143	1.000140	1.000138	1 • (100) 1 30	1.000133	1.000131
σΕΟDE Τ1ς 33•1 106•4	SPELD NROTS	1.0	6•	1.0	1.3	æ.	? · ·	o :	7 G	5.6	13.5	14.2	15.5	17.1	19.3	21.8	24.6	7.97	20°00	29.0	29.0	29.5	31.7	34.0	36.6	37.5	37.5	37.6	37.5	30.0	35.7	34.7	34.5	34.7	36.5	38.5	-	5 ·	# Q. #
	JND DATA	0.002	221.6	190.1	1/1.7	217.9	5.862	342.0	350.5	3<1.1	317.6	514.2	312.0	311.7	71110	312.1	312.6	5116	7000	510.6	5.45	310.8	2,16.7	1010	7.410	214.2	314.1	314.6	115.1	115.1	34.5	317.5	310.5	308.0	٧٠/ ١٥	7.00	ລ•ລ(ຕົ	340.6	3,000
V 1 10	SPLED OF SOUND NAOTS	8.043	4.740	647.3	. 040			n .	0 : :	20,000	044.8	0.740	2.11.9	4.040	634.7	639.1			0.750								650					620	old.	_	212	*	1.210	011.5	2.609
UPPER AIR DAIA 3430050204 AALLEN TABLE 11	UFNSITY GM/CUBIC METER	1130.5	1096.4	10701	1050.0	1040.6	1023.5	1000.0	7.106	955.7	937.6	922.2	90706	891.9	870.7	861.9	2.7.6	832.2	818. 80'c	797	179.8	767.4	755.1	743.0	730.9	719.0	707	695.9	684.7	673.7	963.0	652.0	544.5	ż	2.269	'n	٠	÷	0.48¢
D .	KEL •HUM• PERCENT	70.0	52.2	36.7	33.2	29.7	26.3	6,00	19.5	19.3	20.1	50.9	21.7	21.4	50.4	19.4	19.4	18.0	7.67	200	26.6	28.9	31.2	31.9	31.7	31.6	31.4	31.2	31.1	30.8	30.3	•	6	28.9	C		~ 1	•	9.97
.SL 154	TEM ERATUPE K DEWPOINT EES CENTIGRADE	1.1-	-6.3	-10.7	-12.4	-14.5	2.91-	# 50T	5000	2.07	-21.0	-<1.2	-21.5	-22•0	->3·u	1.57-	125.2	-25.7	0.52	7.4.0	4.45-	-24.3	-24.5	6.45-	-42·B	1-42-	-27.5	-28.4	-29.3	-30.4	-31.1	-32.9	-34-1	-35+3	-36.0	-37.8	0.65	-4()+3	C•1+1
6991-06 Free JSF 6536 PRS 375F 9	TEN P AIK UGGKEES (-3.0	2.5	4.5	2•1	1.5		า แ •) r) # • •	-1.1	-1.7	h-7-	-3.0	-3.6	-4.5	8.7-	-5.1	ာ နှ • • • • • • • • • • • •	-7.8	-0.7	-4.6	-10.6	-11.5	-12.4	~	-14.3	-15.3	-10.2	_	-16.5	_	-50.3	-55.5	123.4	9.4.2	175.8	0.761	-28.3
	PRESSONE MILLIBÁRS	3.498	469.1	852.9	მპი•მ	421.2	800.00 Zee v	7.50.67	76.1.2	740.8	732.7	713.9	705-3	691.9	670.7	7.500	1555.fz	c.•0+a	070	0.400	592.3	580.4	0.800 0.	5.50	54/•3	1, • O.C.	4.45٢	+1014·	2•¢0₹	こ・くんさ	D • + O +	2 · 1 / 3	1.07.		440	437.0	22.3	•	4-014
STAL OF SELLIOUE 15 os Car 62 nScendiolinióa - 2	Official TRIC ALITION MSL FELT	4051.0	4560.9	50005	9.0034	0.0000	3-0004	0.110117	0.(0)()	6,000	0.0006	9500.0	10000	0.000co	11000.0	11590.0	12007.0	12560.0	1 5500	140000	14500.6	15000	15500.5	10000.0	10,000,00	17000.3	17500.0	100001	10509.0	0.0000.1	1.7500.0	c.00002	5,000,00	21000.0	<1503.0	2500077	C+004,22	< \$1100°0	23509.0

34900504 34900504 JARIER
14.1
REL. HIM. JERGITY PERCENT OM/CURIC
METER
26.1
26.2
26.5
56.9
21.2
27.5
27.8
76.5**
22,34*
18,1**
13.9**
9.7**
5.5**
1.3**

** AT LLAST ONE SOUMED PURTITIVE HIM LOTIT VALUE MAS USED TO THE INTERPOLATIONS

STATION ALITIUDE 15 DEC. 02 ASCENSION NO. 2	1 ^{UDE}	Պանգույր հել Մեցո (Res MST Ո	2	JUPER AIR UNI 3490030204 JALLEN TABLE 11 Cont'd	۲ ۲ ۲		υξύμ <u>ι11</u> 33. 106.	υΕΌΔΕΤΙς COUMUIHATES 33-1ω712 LAT DEG 106-49511 LOM DEG
GEORETRAC ALTATUDE MSC FEET	PRESSURE MILLIBARS	TEHERATURE AIK DEW OINT DEGREES CENTIGRADE	KEL.HUM.	DENSITY GM/CUBIC METER	SPLEU OF SOUND AND AND IS	"INCCTION DATA	SPEEU ANOIS	INDEX OF NEFRACTION
441109.	157.7	-61.2		259.2	567.1	5.682	48.4	1.000058
44500.0	155.9	-62.0		253.4	2.096	2.88.2	47.2	1.000057
42000.0	150.1	-62.7		244.5		5.47.5	46.5	1.000055
45560.0	140.5	-62.7		242.5		V-065	46.8	1.000054
45000.0	134.5	200 - Cult		230.5	2.000	20.75	4 4 4 4	1.000051
47009.0	130.1	-62.6		225.1	_	8.182	49.6	1.000050
47500•C	132.4	-62.6		219.0	_	28803	50.4	1.000049
43000	129.5	-62.5		214.3		4.845	50.7	1.000048
40500.0	1500,1	-62.5		209.1		Z48.7	50.8	1.000047
49000	125.3	-62.3		203.8	_	2.18	49.3	1.000045
4.3000.9	120.3	-61.6		190.2	260.7	2,85∙6	47.8	1.000044
0.60000	117.5	4.09-		192.3	5.899	0.282	44.2	1.000043
0.00000	114.6	-59.3		180.7	269.7	4112	40.8	1.000042
51B90.n	111.	0.09-		182.9	-	9.4.2	38.8	1.00001
01500.n	7.601	-60.7		179.1		2/1.0	37.3	1.000040
0.00025	100.6	-60.8		174.8	-	2,0.5	37.0	1.000039
0.000.0) • • · · · · · · · · · · · · · · · · ·	-60•8		3.0.1		2.012	37.9	1.000038
5,5000.0	101.	6.09-		160.0		7.0.7	38.6	1.0000.1
ひ・00なぐな	3.46.6	-61.0		162.0	•	2,077	38.6	1.000036
0.00040	9006	-61.2		158.9	567.1	270.3	38.5	1.000035
C4540.	٠٠ ١٠ ١٠	-61-4		155.2	-	7.607	36.5	1.000035
0.00000	3.76	7-11-1		0.1.1		C + 22 7	1 0 0 0	1.000034
00000	20.60	F-141		O•0•1		C+497	25.5	1.100053
\$4000°	81.6	-62•1		144.0	-	2/11-1	31.2	1.000022
5000000	82°D	+62+4		141.5	565.6	273.9	30.3	1.0000.1
57000.0	82.4	-62.6		1.38.0	565.3	277.1	31.7	1.00001
0.0007.0		-62·8		134.8	-	200.1	33.3	1.000030
ე• ∂00 სწი	7.9 • 4	-63.0		134.0	264.7			1.000029
0.00350	۲ ۱۰ ۰5	16.3+3		120.0				1.000059
0.0007.5	75.6	163.5		125.6				1.000024
5950A.9	73.5	-63.7		12<.7				1.000027
C00000	/ z' • l.	-63.9		119.0	563.5			1.000027
0.300,00	70.5	-6.4.2		117.1	563.2			1.0000.6

	SEODETIC COMMINATES	33-10712 LAT DEG	106+49511 LON DEG
MAIJDATORY LLVELS	34,500,50<	JALLEN	TABLE 12
	STATION ALITIUM, GOSTONO FORT ASE	15 th C. , 2 055a 11R5 H51	ASCL.11.10.1 110. 2114

PRESSUR	PRESSURE REUPOLENTIAL	TEM	TEMPERATURE December	KEL . HUM.	WIND DATA	F.
MILLIBARS	FE _L ₹	DEGREES	CENTIGRADE	ירייניבואו	DEGICES (TN)	STLEU KN01S
958		5.6	-10.9	30.		1.1
908			-17.1	25•		4.5
750	-	2	-20.9	19.		14.6
700	_	-2.7	-21.4	22.		10.0
059		6.4-	-25.4	10.		25.2
000		-8.1	-24.5	25.		29.0
556	•	-12.2	-25.5	36.		30.0
500	_	-16.7	9.62-	31.		37.0
364	•	-25.9	-36.1	29.		35.9
004	•••	-29.8	-43.0	20.		47.2
356.0	0 27167.	-37.4	1-64-	20.	310.4	53.1
31)0	•	-45.9				54.6
520	•	-56.0				73.9
200	•	-62.0				b2.0
175	_	9.09-				56.6
150	7	-62.7				46.5
125	_	-62.5				50.5
301	•	6.09-				36.6
OS	•	-63.0				34.5
70	Ī	-64.2				

** AT LLAST ONE J.SSUMED RELATIVE HIMIDITY VALUE #AS USED IN THE INTEMPOLATION.

UAIA			
LLVLL	0152		
ICANT	34901c	LC-37	CL 7.10
==		۲	+

TABLE 13

GEODLIIL COOKUINATES 32-40175 LAT DEG 106-31232 LON DEG

DRFCCIPE	4	TEMPE	Ω	1112
	ALTITUDE	AIR		PERCENT
MILLIEKKS		DFGREES	Ú.	
685.1	51.	7.4-	•	58.0
6	7.7	3.7	-3.3	0.09
•	37	•	8.6-	
867.7	7	5•3	•	2
#	669.	•		;
•	5131.9	•	•	28.0
825.8	905.	3.1		
7	174.	•	Š	23.0
792.3	04.	5.6	-19.3	18.0
74.	7622.	5• 3	÷	18.0
•	027	•	-55.5	6
34.	0986	-2.8	う	6
664.5	27.	-3.7	-23.3	20.0
	.188	•	~	22.0
041.6	2535.	-4.3	-55.b	22.0
•	3587.	•	÷	ż
547.8	6581.	-11.1	ġ	-
•	H337.		ċ	
•	8862.	-16•3	:	25.0
467.8	0499.	•	ţ	'n
•	4256.	•		
371.8	5966.	-32.4	7	
٠.	6527.	•	6.74-	
	9929.	•		
	пя1в.	•		
63.	33656.1	-52.9		
	4410.	•		
•	34737.9	-54.3		
23.	7063.	•		
216.5	7721.	•		
6	841c.	-63.5		
203.0	3.46.29.2	ċ		
خ	9335.	-54.6		
٤	4752.	-5A.a		
95.	0113.	-59.7		
۲.	0632.	•		
	. 440.	-6.0.B		
6	250	-60.1		
168.1	S	-60.3		
5	517	S		

6E0DETIL COURDINATES 32-40175 LAT DEG 106-31232 LON DEG

TABLE 13 Cont'd

TEMPERATURE

PRESSURE COMETRIC

REL.,,,M. PERCENT

AIR DEWPUINI DEGREES CENTIGRAUE

ALLINARS SE FEET

1588.2 1589.3 1681.4 1681.4 1681.4 1681.4 1681.4 1681.4

43706.9
45258.2
46315.5
47463.1
67463.8
50888.4
51305.9
51509.8
51509.8

161.7 150.0 1142.5 1134.8 1128.1 115.6 111.7 111.7 1104.0

60892.5

63271.3 6780.9 70310.9 73889.1 74686.0 78591.5 84757.9

-59.1 -59.2 -57.0 -58.4 -56.0

67323.3 58224.0 90402.4

92534.1 93971.7 96010.4 102751.1

18

STALIGH ALLITUUL 15 UEC. 82 ASCENSIUM NO. 1	UuL 4 1∠2	651.37 FEET 55. 0700 MKS NOT	1 o/SL No.1		UPPEP ALK UM 1 3490180122 LC-37 TA3LE 14	2.71 4 4		9500ET10	0E0DETIC COMMUNATES 32-40175 LAT DEG 106-31232 LOM LEG
GEUMETRIC ALTITUDE MSL FELI	PRESSUKE MILLIBAKS	1EMP A1K DEGREES	TEMPERATURE R DEWPOINT EES CENTICKADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEEU OF SOUND KNOTS	"IND DATA DIRECTION SI	1A SPEEU NNOTS	Index of REFRACTION
4051.4	805.1	7.4-	-11.7	58.0	1147.4	630.6	0.	0.	1.000269
4500.n	870.3	5.2	6.6-	32.4	1087.7	950 · 4	£.94,	2.3	1.000256
56,00.0	854.2	6•11	-11.7	1	1069.2	Ī	\$.600	0	1.0002
5500.0	1138.4	ڻ•٢	-12.9	28.0	1053.1	_	359.3	7.5	1.000246
60000	952.0	3.4	-14.1	26.2	1035.4	_	352.6	7.7	1.000241
0.004'a	807.5	3.5	-16.7	21.0	1016.		042.0	7.1	1.000235
7000.0	192.11	5•6	-19.3	18.0	10001		319.0	7.7	1.000279
7500.0	111.7	a•3	-19.1	=	981.0		204.7	H.7	1.000225
0.0000	765.1	2.5	-19.5	÷	964 • 8	040	4.662	0.6	1.0002.1
6506.3	746.7	1+3	-50.5	18.3	6.646	Ī	303.0	9.1	1.000218
0.0006	7.54.7	3	20	8	935.2	9.440	314.1	9.3	1.000214
9560.0	720.8	9••	-21.5	18.7	920.7	4.5.49	313.3	11.4	1.000211
10000	707.3	-1.5	-22.1	18.9	906	_	511.1	13.8	1.000207
10500.0	642.9	-2.3	N	19.0	892.1		1110	16.2	1.000204
11000.0	680.7	-3.0	-23+2	19.2	877.3		515.2	18.4	1.000200
11500.0	9∙799	-3.6	÷	19.8	862.4		317.6	•	1.000197
12000.0	0.550	F-4-3	-23•1	21.3	848.2		318.7	51.9	1.000194
12500.0	642.5	-4.3	-42·B	22.0	832.1		317.6	23.2	1.000190
13000	2.059	ध• †	-23.2	22.0	817.7	1.30.3	315.0	23.4	1.000187
13500.0	616.1	4.0-	-23.7	22.0	803.4		9.510	23.3	1.000184
14000.0	60c.1	-6•3	-<4·1	22.7	790 · B		313.6	24.2	1.000161
14500.0	h•h6c	-7.2	-24.5	23.5	778.4		313.2	25.2	1.000178
15000.0	282.	-8-1	6.42-	24.4	765.8	_	311.8	26.6	1.000175
0.00041	0.I.0	1.6-	-25.3	25.2	753.6		310.6	27.8	1.000172
10000	1. • Nac	-10.0	-25.8	26.0	141.6		1.600	28.5	1.000169
16500.0	3.640	-10.9	-26.3	56.9	129.B		308.2	28.1	1.000166
0.00071	7.000	-12.1	-27.3	26.8	718.0		306.1	26.6	1.000164
3.00671	1.020	-13.5	-78.5	56.5	107.7	628.1	305.0	26.0	1.000161
0.00091	31/10	-14.5	-29.6	56.5	6969		304.9	26.1	1.000158
18500.9	9.700	-12•6	-30·H	25.7	686.1	6550	307.0	27.9	1.000155
19000.0	2.16h	-16.6	-32·n	24.8	6.479	624+1	209.7	30.7	1.000153
19500.0	481.2	-17.6	-33.1	24.2	0•+99	652.B	310.0	33.1	1.000150
<0000c	1177.4	-18.7	-34+3	23.6	653.3		310.5	35.5	1.000147
6.000,00	401.6	-19.7	-35.5	23.0	8.24y		311.5	37.8	1.000145
<1000.7	456.1	-50.9	-36.5	55•9	632.5	010.8	313.6		1.000142
<1500.0	448.7	-22.1	- 57.6	22.7	022.4	617.4	317.0	•	1.000140
0.03452	n 68 n	-23.3	-38.7	22.6	612.5	010.9	320•i	7.77	1.000138
3.6042.	4.30.4	4·42-	-39•B	22.5	7.700	6.14 · 4	342.9	_	1.000135
<3000°	451.5	-25.6	8.04-	22.3	593.1	015.0	350.5	45.2	1.000133
<3500.0	412.1	- 26.4	6•[+-	25.2	583.1	61110	330.5	0.33	1.000131

VEUDETIL COOKJINATES	106-31232 LON DEU	INDEX	OF REFRACTION	1.000129	1.000127	1.000122	1.000120	1.000116	•	1.000112	1.000110		1.000105	1.000103	1.000101	1.000100	1.000048	1.000046	1.000045	1.000093	150000-1	1.000004	1.000006	1.000005	1.000083	1.000082	1.000000	1.000079	1.00001	1.000074	1.000070	1.000069	1.000007	1.000000	1.0000.4	1.000062	1.000059
52.	106.	4	SPECU KNOTS	† †	45.0	47.3	47.1	47.0	46.2	45.3	45.0		53.0	55.1	57.1	58.6	59.9	60.9	60.4	58.8	1010	56.5	58.4	60.1	59.1	58.2	55.4	51.7	50.8	200	50.5	51.5	54.1	56.8	57.7	56.2	51.9
		WIND DATA	DEGREES (Tra)	3.1.8	532.7 532.2	131.7	331.2	330.0	331.8	354.6	355.0	33301	9.5%	328.4	327.6	367.08	327.7	3<6.9	320.0	325.0	325	316.3	313.6	5110	5.600	208.5	7020	301.00	2,962	1.50	594.5	4.462	1.562	4.662	3.063	7,45° 1,45° 1,45°	2,74-1
AIA Se		ιĸ	SOUND KIND I S	0.100	600°0 007•2	600×8	c04•4	4.109	1.667	594.0		594.6		5.699	587.6	200.0	204.2				377.00	575.5	573.H	572.2	570.5	568.8	566.1			567.5	569.5	568.1	567.7	567.7	567.7	568.5	570.4
UPPER AIR UMI 3490180122 LC-57	TABLE 14		METER	574.4	565.1 555.7	540.4	537.3 528.2	519.6	511.1	502.B	9.464	474.7	471.0	0.09	455.2	447.6	1.000	432.7	425.4	416.5	410.4	394.2	387.0	380.0	373.2	366.5	1-190	0.4C0	340.00	325.7	315.7	304.1	302.6	295.3	248.C	280.5 27.55	265.4
-		REL. HUM.	PERCENT	22.1	21.9 21.6	21.3	21.1	18.9**	15.7**	12.5**	9.2**	2.8																									
15L 6.51		TEHNERALINE	CENTISKADE	-43.0	1.54-	7.9%	-47.3	-50.2	-55.9	-55.9	129.4	-201-	7.0.																								
51+37 FELT 0700 HRS 65T		1CH	AIK DŁGIŁES	-23.0	-29.1 -30.3	-31.4	132.5	6.45-	-36.5	-37.5	-38.9	7.0t.	6.64-	-44.2	-45.5	6.94-	-48.3	1.64-	-51.1	52.5	15.3	-55.0	-56.2	-57.4	-58.7	6+65-	1959-	4,3.6	-63.1	200	4.65-	-60.5	-60.8	H-09-	8·09-	2.09-	-56-3
Unt 4u	140. 162	PRESSURL	MILLIUARS	404.3	345.9 367.5	379.3	303.3	355.4	347.7	340.1	532.6	318.3	311.3	304+3	297.5	290.7	284.C	277.5	271.2	265.6	252.8	240.0	241.0	235.3	229.7	224.3	6.012	5 T C T C	200.3	190.4	193.7	189.0	164.5	166.6	175,7	171.4	163.3
STATION AL	ASCENSTON NO.	GEOMETHIC	MSL FLLI	6.000#2	24500.6	25500.0	20000.0 20500.0	27000.D	27500-0	20000°	28500.0	3-00557	300000	30500	31000.0	31500.0	35000.0	32500.0	J. 000000	33500.6	3.00040	350000	35500.0	30110V	36500.C	37000.0	3.00076	300000	3.00000	39500.0	40000	40560.6	41000.0	41,560.0	4-2000-6	30000	4.3500.0

** AT LEAST ONE ESSUMED PELATIVE HUMBETTY VALUE AND USED IN THE INTERPOLATIONS

STATION ALTITULE		4601.37 Fret as:	_	UPFER AIR DAIA 349016012	ل.، ۱۸ دد		9L00L11	GEODETIC COUNDINALES
15 Oct. cz	•	C 700 1185 MS1		LC-37			32.	32-40175 LAT DEG
ASCENSTON 110	110.			TABLE 14			106.	106.31232 LON UEG
GEOMETRIC	PRESSULL	TEMPERATUME ATH DE MINOTEST	KEL . HUM.	DENSITY GMZCURIA	SPEEU OF	AINU DAIA	41	X 10 K
ISL FLL	RILLLIBARD	DEGREES C		METER	NI4015	ILECKLES (TN)	KN015	KEFHACT1012
44000.	159.4	-58.6		250.8	570.6	2.062	46.9	1.000058
44500.0	155.6	-59.3		253.5	1.606	5.882	46.5	1.000056
4500000	151.9			248.2	9.995	9./p?	45.4	1.000055
45500.0	140.3	-60.0		242.3	569.7	8.08>	3·33	1.000054
40000.0	144.7	-59+5		235.9	566.5	7.00%	オ・ドオ	1.000053
40200.0	141.2	1.63-		224.9		285.5	42.2	1.0000.1
47000.6	137.9	£ • 62-		224.5	•	7.50%	40.1	1.00000
9.000/+	134.6	-59.5		219.4	569.5	5,502	39.2	1.000049
∂•30±0 0	131.5	-60.6		215.2	-	h•0n7	37.8	1.000048
7.00co+	120.2	-61.7		211.1	•	7.817	36.9	1.000047
9.00064	150.1	-61.9		2000		2/7.8	36.8	1.000040
45500.0	124.0	-6.2.0		201.4	-	9.//>	36.6	1.000045
3.00nuc	113.1	-62.2		190.6	555.8	9.8/7	30.4	1.000044
50500.0	110.2	+·29-		192.0		2.66,	36.0	1.000043
0. 00014	113.4	-6,1.2		190.4		0.107	35.4	1.000041
51500.6	110.0	9.09-		181.4		1.282	34.9	1.000040
1.90023	103.0	-61.0		177.3		C82.1	35.1	1.000039
52500.0	105.4	-61.9		175.6		0.582	35.3	1.000039
5,500,000	102.13	-61.9		169.0		c to U • to	30.1	1.000038
0.00555	100.3	-62.5		165.B		2.672	36.9	1.000037
34000°C	7.15	162.2		161.7		1.8.7	ر ، ۲۰ د . ۳۰	1.000036
0.00040	0.06	0.29		1.101		1.1.7	100	CC0000.
0.00000	0.00	1,1		1.001			28.5	1.000034
7-00000		5-19-		166.1	7.000	5.67	3.00	1.0000.1
1000	200	6.10		7.07.7				
2,000,7	9•43	1.10-1		138.6		7.07	39.50	1.00002
575nn.r	8<.∙€	9.09-		135.4		7.807	39.5	1.000030
50000 t	80.6	4.09-		132.0	569.5	2.71.1	39.5	1.00002
9 • 00596	76.7	-69x 8		120.7	564.5	243.5	35.8	1.000029
59000.0	70.00	-60.48		125.4	568.8	4.967	32.6	1.000028
59560.0	74.9	5.664		122.3	569•1	2,98.5	27.2	1.000027
J.00000	7.0.1	-59.5		119.6	•	301.2	21.3	1.000027
J•004,00	71.4	-59.3		116.		4•50ر	15.7	1.000026
01000	69.6	1.9.1		113.5		9. H.	10.4	1.000025
5.005To	€÷99	- On 1		110.0	•••	3°/23	w.	1.00002
0.00024	00 04 04 04	0.00 m		102.4	204.4	254.7	2.7	1.0000c4 1.0000c3
J. Other	6.00	\		102.4		, 32.3	5.8	1.000023
1.5005.0	01.7	-59.1		100.4	570.0	J1.0	10.8	1.000002

STATION ACTITUDE		4951+37 FL.1 MS. 0700 HRS MST	_	UPPER AIR UAIA 3470130122 LC-37	UAIA		vEUULT1 32•	GEODETIC COOKNIMATES 32-44175 LAT DEG
ASCL:351011 140	140. 122			TABLE 14			106.	106.31232 LON UEG
SEOJETKIC ALLI MAN	PRESJURE	TEMPERATURE	REL. HUM.	DE OF	SPEEU OF	IND DATA	ITA	INCEX
MSL FELT	MILLIJARS	DEGINEES C	בערנולו		NO IS	LEGREES(IN)	SPEEU KNOTS	OF HEF HACTION
0.00000	60.3	-58.9		6.7.6		238.5	12.0	1.000022
0.0000	50.4	-58.6		95.5		247.1	12.9	1.000021
0.00000	h•/s.			95.1		6-157	13.2	1.000021
0.00020	50.1	1.85		90.6		253.8	12.5	1.000020
2.00000	7 - 10	52/.9		96		252.8 	11.6	1.000020
0.00000	52.5	157.4		3	571.9	0.40°V	10.2	00001
6.00579	50.9	-57.2		82.1	572.5	232.6	7.5	1.00001
0.000000	49.7	-57.1		A0.		240.3	5.5	10000
0.00080	40.5	-57.4		78.4		50.B	5.5	
0.00060	4.7.4	-57.6		76.0		6.847	0.9	0000
0.00565	40.3	-57.9		74.7		6.962	5.9	1.00017
0.0000/	45.2	-58.2		73.2		213.1	5.3	1.000010
7.0000.0	I • † †	P • Dis •		71.5		189.3	5.5	1.000016
0.0001/	4 6 6	6-/6-		2.69	571.5	173.7	2.5	1.000016
0.00017	75.0	-57.4		6.79		6.27	1.5	1.000015
72,000.0	1.04	0.44		7.00		V =	o.;	.0000
75000.3	39.1	-56.6		2,59	57.4.	* 0.5		1.000014
7,5000.7	30.2	-56.3		61.4		51.1	0	3100001
0.000+/	37.3	-56.2		59.6		58.1	9.1	1.000013
74500.0	3c • 4	-57.3		50.8		65.9	4.0	
76500.0	200	-57.3		57.4		b./4	9.7	
0.00007	- + t	1.00		5		6.60	0.6	1.000012
70500.0	144.1	1.00-1		7.4.4		90	9.5	1.000012
77000.0	32.4	1.00		7.5	574.6	67.5	3 0	1.000012
77500.0	31.6	-54.2		50.0		4400	10.4	1.00001
0.000%	30.5	9.5.5		0.64		67.7	11.0	.00001
74:00.0	7	100.0		\		9.1/	12.1	.00001
79500.0	20.62	1 1 0 0				70.0	13.5	10000
6.00009	20.1	-52.5		7 7 7		73.3	13.5	1.000010
0.00000	•	-52.3		45.3		72.0	13.5	1.000010
91000.0	20.8	-52.2		42.3		73.5	13.7	0000
81500.0	20°5	-52.0		•		74.9	13.9	1.000009
021100 . 3	4.c2			40.5		11.1	14.0	1.000009
0.00028	0.02	151.7		39.5		0.20 	14.0	1.000009
0.00000	4.40	15].u		36.4	574.4	66.3		1.000009
	7	**TC_		0.10	1.080	62.4	7 to 7	1.000008

SZ-40175 LAT DES	1232 LON LEG	INUFX	UF HEFKALTIUM	1.000004	1.000008	1.0000H	1.1100008	1.000007	1.000007	1.000007		1.000000	1.00000		1.00000	1 • 00000t	1.000006		1.000005	1.000001	1.0000115	1.000005	1.000005	1.000005	1.000001	5000001	1.000004	1.000004	1.000004	1.000004	1.000004	1.000004	1.00004	1.000004	1.000004	1.000004	0.0000	500000	1.000003
6E UDE TAC 32 • 4	106.3	1.4	SPEEU	14.5	14.8	14.9	15.0	15.1	o	13.9	12.0	10.1	8.1	ຄ. ຄ.	3.6	2.1	\ . V F	r C) #1	3.7	6.4	6.9	0.6	10.7	11.1	1 4 . 0	16.5	20.0	23.3	26.0	28.7	ċ	30.2	59.9					
		WIND DATA	11KLC 1104	63.5	81.1	81.2	81.7	62,3	7.00	113.7	114.3	115.2	110.0	110.8	0.44.6	0 7 7	7.7.0	******	135.0	104.5	160.9	202.2	615.0	222.3	C. 20. 2	2,017	9.64.7	265.2	8.102	267.3	60097	6.002	701.0	4.002					
AlA		SPEEU OF	20014D	580 • 4	580.6			583.7	585.1	587.7	507.1	587.9	588•3	588.1	0.684	2.690	2000	787	2000	540.6	586.4	586.3	587.7	589.0	5-060	105	591.9	592.1	2.769	592.4	592.5	296.1	592·B	592.9	1.565	593. 504.	4 4 5 5 4	2000	593.2
UPPER AIR DATA 3490160122 LC-37	TABLE 14 Cont'd		GM/CUB1C METER	30.0	35.7	34.6	33.9	35.0	1.50	30.4	29.7	29.0	26.3	27.7	0.12	4.0°	22.4	20.00	24.3	23.8	23.2	22.7	22.1	21.5	20.10	7.71	19.5	19.1	10.6	18.2	17.8	17.4	17.0	10.0	7.0) () ()	15.5	7. 4.	14.5
5		•	PERCENT																																				
1951-37 FE, T MSL 0709 HRS NST			UEWPOINT ES CENTIGRADE	٥:	_		vo :		c at		•			.	o -	• 0) F O	3	ç	.	·O	ي د	ח נר		n	2		C	~ 1	_	·C	ıc =	• •	2.0	ı —		. • •
51+37 F 8709 HB		=	AIR DEGREES	-51.2	-51.1	-50.5	9.64-	148.7	4.6	-45.6	9.5%	1454	-45-1	37.			145	- ta 5 . B	-46.3	4001-	-46.6	9.94-	-45.6	9 + 1 + -		-4-74-	-42.3	-42.5	-42.1	-41.9	-41.8	-41.7	-41.6	C = 1	****	7.7.7	-41.1	-41.	-41
`		PRESSURE	MILLIBARS	23.3	75.	24.2	21.7	21.2	2007	19.8	13.4	14.0	18.5	18.1	17.1	0 44	0.01	7.41	15.0	15.5	15.1	14.4	14.5	1 - 4 -		13.2	12.3	12.0	1.71	12.1	11.4	0.11	11.3	11.1					7.6
STATION ALITIUS 15 DEC- 02 ASCHASTON 100 1		GEUSIL TRIC	ALTITUDE MSC FLEI	0411U0•U	9.005.6	0.000ca	3.00000	85000	87000.0	97500.0)•00ugg	გი 2 00 - ტ	3.00066	3.00000	0.00000	91000	91500.0	0.00026	92500.6	9.5003.6	9.5500.6	94000.6	0.00546	95000.0	0.00009	96500.0	97000.0	97500.0	9.5000.0	96500.0	9.9000.9	0.60566	1000001	1000001	000101	0.000.00	102500.0	103009.9	103500.0

MANDATORY LLVLLS	3490180122	LC-37	TABLE 15

obudelle coominates 32-40175 LAT UEG 106-51232 LON DEG

PRESSUNE G	PHESSURE GEOPOTENTIAL	TEME	TEMPERATURE	HEL. HUM.	WIND DATA	٦
MILLIBARS	FEET	DEGREES	O	יבתרבואו	UEGKEES (IN)	KNOTS
P50.	5128.	9.4	-12.3	24.	354.3	5.6
800.0	6742.	3.0	-18.0	20•	350.4	7.2
750.0	8453.	1.4	-20.1	18.	304.7	٠. ۲.1
700.0	10263.	-2.0	-22.5	19.	311.1	15.1
650.0	12196.	9.4-	-23.0	24.	316.2	22.4
0.00.3	14248.	-6.8	-24.3	23.	313.5	24.6
550.0	16459.	-10.9	-56.2	27.	308.4	20.2
500.0	18 ₀ 37.	-16.3	-31.7	25.	0.608	6.62
450.0	21410.	-21.9	-37.5	23.	316.6	44.3
0.004	24216.	-28.6	-43.5	22•	334.4	9.44
350.0	27310.	-35.8	-52.1	17.**	350.9	40.5
300∙0	30757.	-45.0			327.8	50.4
250 • n	346 3.	-54.3			317.9	55.0
200.0	39242.	-59.6			595.4	50.2
175.0	41973.	-60.8			295.8	57.8
150.0	45138.	-60.3			267.1	6.44
125.0	46871.	-61.9			277.8	30.8
100.0	53405.	-62.4			279.0	30.9
90.0	57946.	-60.3			291.6	30.5
10.0	ი0685•	-59.1			300.1	11.8
0.09	63856	-58.8			239.4	12.1
9.05	.7627.	-57.0			241.1	5.8
U•0+	72248.	-56.9			36.4	٠. ت
30.0	70257.	-52.9			76.5	14.2
0.62	82127.	-51.7			81.0	14.0
20.0	66916.	-45.6			104.0	13.9
15.0	93211.	9.95-			192.8	٠. د.
10.0	102196.	-41.0				

** AI LEAST ONE "SSUMED RELATIVE HUMIDITY VALUE WAS UGEN IN THE INTERPOLATION.

	34.7 F 11.10 F U
	21771 11NST0
かまな しょうしょ しょうしん しゅうしゅ しゅうしゅ しゅうしゅ しゅうしゅ しゅうしゅ	
SINTERN TO THE PROPERTY OF THE	0.5.50
193 - 02 0000 CC CC CC VI	0 - 1071
	2266
ASC (Straight 140) 1350	
	T A R I L

9£00£11C COOKU1HA1ES 32-u8365 LAT UEG 106-09965 LON VEG

UATA	RFL.HUM. PERCENT	52.0	71.0	٠.) NC	2 CJ	1	24.0	20.0	0	CC 1	'n.	·	53.0																							
LEVEL 10330 AN	TEMPERATURE AIR DEWPOINT EGREES CENTIGRADE	•	14.5	• •		ים ורי		-19.7	-23.6	•	္က :		v o	20.0																							
SIGNI ICANT 34300 HOLLOM TABLE 1	TEMPE AIR Degrees	-2.4		2.5	22	9•6	-1.5	-1.9	+	12	16.	C • 0 × -	9 1	12/67	-54.6	-54.6	-55.8	-64.1	-64.3	-62.2	-58.6	-60.8	100.0 100.0	-57.3	-58.9	-62.3	-62.3	•	-59.7	-59.0	-56.1	26	•	å		3	6.44-
75	GCONETHIC ALTITULE MSL FELT	120.	4281.5	4	892.	292	117.	10239.2	12429.2	5.	Š	2 9	• •	, ,	5		35533.4	•	-	39342.7	41574.7	43286.3				•	2796	592.	311.	.2060	5593.	79350	5235	. ~	=	-	91069.7
4126.59 FLET NSL 0700 HRS MST 0	PRESSURE MILLIBARS	82.	876.9	9	50.00	613.2	730.7	700.0	643.5	, o	0,	٠. د		2000													č	0.0	٠ ٠		'n		٠,	c.	1.2	20.0	£.0
υ _ι '1 <u>1</u> 35ο																																					

SIGNIFICANT LEVEL UATA 3490010330 HOLLOMAN

5741.0N ALITUDE "126.59 FEFT MSE 15 DEC 82 0700 185 851 ASELISION 100 350

TABLE 16 Cont'd

REL.MIM. PEHCENI IEMPERATURE AIR DEWPOINI DEGREES CENTIGNADE

PRESCURE GEOMETRIC ALTITUDE MILLIBARS MSL FEET

-46.8 -39.9 -39.6 12.1 98437.6 10.0 102689.8 8.3 106913.2

26

TABLE 17 100-109405 100	STATION ALILITURE 15 LEC. 82	7 5	4126.59 FEET NO C700 HRS NST	1 NSL NST	-	JIPER AIR DAT 3490010336 HOLLOMAN	UATA 3c		9500571 52•	VEOUETIC COOKININATES
PRESSORIC Tempt	1015	110.				_			106	<u> </u>
No.2.1 -2.4 -16.9 52.0 1133.7 641.4 550.0 4.9 Bby.7 3.0 -6.9 647.9 556.6 4.9 1.0 Bby.7 4.1 -11.1 21.0 24.0 1053.4 649.5 5.5 7.7 8.3 No.2. 3.2 -11.2 24.0 1053.4 649.6 5.9 9.1 1.1	TRAC		A I K	ERATUPE DENPOINT CENTIGRADE	KEL.HUM PERCENT	UENSITY GM/CUBIC METER		IND DA	SPEEU KNOTS	INUEX OF HEFRACTION
Bby 7 3.0 -8.3 49.2 1095.0 647.9 556.6 4.9 Bby 7 4.5 -11.1 31.0 1095.0 649.5 5.5 6.1 11.1 Bby 7 4.5 -11.1 31.0 1095.0 649.6 5.5 7.7 8.3 1000.4 649.6 5.5 7.1 8.3 1000.4 649.6 5.5 9.1 11.5 <t< td=""><td>120.0</td><td></td><td>Š</td><td>ು</td><td>å</td><td>33.</td><td>641</td><td>350.0</td><td>•</td><td>1.000206</td></t<>	120.0		Š	ು	å	33.	641	350.0	•	1.000206
65.7.6 4.5 -11.1 31.0 1069.7 649.6 2.5 6.1 62.7.7 4.1 -13.0 27.4 1053.7 449.0 7.7 6.1 60.0.6 3.2 -16.2 22.4 1010.4 649.6 9.3 9.3 791.7 2.3 -16.2 22.4 1010.4 649.6 9.3 9.3 791.7 2.4 -16.8 24.1 969.6 644.7 3.54.3 9.3 70.4 -17.2 2.5 95.6 644.7 3.24.3 9.3 70.4 -17.2 2.5 95.6 644.7 3.24.3 9.3 70.4 -17.2 2.5 95.6 644.7 3.24.3 9.3 70.4 -17.2 2.5 95.6 644.7 3.24.3 9.3 70.4 -17.2 2.5 95.6 644.7 3.24.3 9.3 70.4 -17.2 2.5 95.6 644.7 3.24.3 9.3	5.003		•	å	'n	•	647	356.6	•	1.000260
b5777 441 -13.0 27.4 1055.4 648.6 5.7 6.5 7.7 64.3 6.5 7.7 6.5 7.7 6.5 7.7 6.5 7.7 6.5 7.7 6.5 7.7 6.5 7.7 6.5 7.7 6.5 7.7 6.5 7.7 6.5 7.7 6.5 7.7 6.5 7.7 6.5 7.7 6.5 7.7 6.5 7.7 6.5 7.7 6.5 7.7 7.7 7.2 7.7	3000	850.00	•	-11.	31.0	1069.7	2	2.5	6.1	
Colored State	9.009		4.1	'n	27.4	1051.7		91	7.3	.00024
791.7 2.3 -16.6 24.1 984.6 64.9 3.56.3 9.3 170.2 3.4 -16.6 24.1 984.6 64.3 7 32.0 340.5 9.3 170.2 3.5 -16.6 24.1 984.6 64.3 7 32.0 340.6 3	J. 000		8 6	•	24.0	1033.4		- 3	ρ.	•
770.9 1.4 1.60 2.50 969.6 644.7 134.5 9.1 170.9 170.9 170.9 1.4 170.2 25.9 969.6 644.7 134.5 131	3.000		7 F	16.5	# F C	7.0001	10	F 60 375		•
762.5			7.0	10.0	2000			336.5 Aech	•	
74e+(4 -17-5 25-9 954-6 644-7 J21-0 9-1 734-1 -16-5 26-8 959-6 642-2 J05-0 11-5 720-1 -16-6 -26-8 90-3 641-5 J05-0 11-5 720-1 -27-2 25-5 890-3 641-6 J15-9 21-0 679-6 -27-2 27-6 90-4 641-6 J15-9 21-0 679-7 -27-2 27-6 890-8 641-0 J15-9 22-0 679-7 -27-6 -27-6 890-8 641-0 J15-9 22-0 659-7 -31-7 -21-6 890-8 641-0 J15-9 22-0 641-7 -41-7 -21-6 870-8 841-0 315-9 22-0 641-7 -41-7 -21-7 23-0 310-6 310-6 310-6 641-7 -51-7 -21-7 -21-7 23-1 310-6 310-6 641-7 -21-7	0.000		•		25.0		770	5.45.5		.00022
734.6 -1.3 -17.9 26.8 939.8 642.6 510.5 11.5 11.5 720.1 -1.6 -186. 26.0 939.8 642.2 506.4 14.7 70.4	5000	740.	7.1	•	25.9	954.6	643	321.0	9.1	•
720-1 -1-6	0.00	734.0	-1.3	•	26.8	939.8		310.5	_	•
700.4 -1.8 -19.4 24.6 900.4 641.9 505.0 17.9 17.9 17.9 17.9 17.9 17.9 17.9 17.9	500.6	720.1	-1.6	-18.6	26.0	923.2		304.4	3	•
692-0 -2-2 -20-2 23.5 690-3 641-5 505-9 21-0 1	0.000	700.4	-1.8	-19.4	24.6	4.006		305.0	17.9	•
679-8 -2-6 -21-0 22-6 874-9 641-0 511-5 22-0 1660-2-7-15-1 -21-9 21-7 869-8 6410-4 515-9 22-0 1660-2-7-15-1 -22-6 20-8 845-0 639-8 516-4 25-8 1660-4 515-9 21-7-15-9 20-1 845-0 639-8 515-4 25-8 1660-1-7-15-1 -22-6 20-1 845-0 639-8 515-4 25-8 15-1 620-1 510-4 25-8 15-1 620-1 510-4 25-8 15-1 620-1 510-4 25-8 15-1 620-1 510-4 25-8 15-1 620-1 510-4 25-8 15-1 620-1 510-4 25-8 15-1 620-1 510-4 25-1 620-1	0.000	692+0	-2.5	-20.5	23,5	890.3		305.9	21.0	•
669.0.7 -5.1 -21.9 21.7 859.6 640.4 515.9 23.1 16.6 629.2 -3.6 -22.8 20.8 845.0 639.8 316.4 24.6 629.3 -5.0 -23.6 20.8 845.0 639.8 315.4 25.8 10.0 629.3 -5.0 -23.6 20.1 840.5 639.8 311.4 26.7 -4.1 -5.8 -24.0 22.2 803.7 53.1 509.6 27.4 10.0 11.4 -6.8 -24.0 22.2 777.0 638.1 509.9 27.4 10.0 59.1 -6.7 -24.0 22.2 777.0 638.1 509.9 27.4 10.0 59.1 -6.1 -6.1 634.1 509.9 27.4 10.0 20.1 509.0 27.4 10.0 20.1 509.0 27.4 10.0 20.1 509.0 27.4 10.0 20.1 509.0 27.4 10.0 20.1 509.0 27.4 10.0 20.1 509.0 27.4 10.0 20.1 509.0 27.4 10.0 20.1 509.0 20.1 5	1.000	679.8	-5.6		22,6	874.9		311.5	22.0	•
641.7 -3.6 -22.8 20.8 845.0 639.8 316.4 24.6 64.6 64.6 1.5.4 25.8 1.5.9 21.6 629.2 315.4 25.8 1.5.9 21.6 629.2 315.4 25.8 1.6.1 25.9 1.6.1 25.9 1.6.1 25.9 1.6.1 25.9<	0 00 0	6.000	-3.1	21.	21.7	859.8		9.610	23.1	-
620-3 -5.0 -23.6 20.1 6030.5 639.2 515.4 25.6 1 1.0 630.5 510.1 630.2 515.4 25.6 1 1.0 630.5 510.1 630.2 630.1 630.2 630.1 630.2 630.2 630.1 630.2 630.1 630.2 630.2 630.2 630.1 630.2 630.1 630.2 630.1 630.2 630.1 630.2 630.1 630.2 630.1 630	٥٠٠ ٥٥٠:	654.2	-3.6	22.	20.8	845.0		316.4	24.6	-
55.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5	3.000	7 · T hQ		50	20.1	630.5		\$ 070 5	20.00	•
559.5 - 1.0.1 - 24.7 - 24.2 - 25.3 - 790.6 536.1 309.9 27.9 593.4 - 7.5 - 24.4 2 24.2 25.3 - 752.7 53.1 310.6 28.9 10.2 250.3 - 24.4 2 24.2 25.3 - 752.7 53.1 310.9 31.2 10.0 35.0 10.0 35.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 1	ب 2000ء	67670	0	27.0	20.00	HO 4. 7		4.00°	7.02	1.000187
593.4 -7.5 -24.7 25.3 777.6 635.1 310.6 28.9 10.2 10.1 -7.5 -24.7 25.3 765.1 634.1 310.6 31.2 11.5 30.2 11.5 593.5 -10.1 -25.3 27.3 740.5 632.0 310.0 32.0 31.2 11.5 594.5 -10.1 -25.7 28.3 740.5 632.0 310.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 3	2000	600-1	-t	0.10	23.2	79097		6.605	27.9	•
581.9 -8.4 -24.7 25.3 765.1 534.1 511.5 30.2 1 559.5 -9.2 -25.3 27.3 752.7 633.1 510.9 31.2 1 559.5 -10.1 -25.3 27.3 76.7 632.0 310.9 31.2 1 540.6 -10.1 -25.7 28.3 76.7 630.0 309.0 32.0 1 530.0 -11.8 -26.0 29.7 705.4 620.0 309.0 33.0 1 520.0 -11.8 -26.4 29.7 705.4 620.0 309.0 33.7 1 500.0 -14.0 -28.1 694.0 620.0 304.0 33.0 1 500.0 -14.0 -28.1 662.4 627.3 304.0 33.0 1 500.0 -15.3 -30.7 27.6 662.4 625.0 306.5 34.3 1 40.7 -18.3 -31.9 25.4 6	0000	4.75G	-7.5	-24.4	24.5	777		510.6	28.9	•
570.6 -9.2 -25.0 26.3 752.7 633.1 510.9 310.9 31.2 1.2 </td <td>0000</td> <td>581.9</td> <td>1·8-</td> <td>-24.7</td> <td>25.3</td> <td>765.1</td> <td></td> <td>5115</td> <td>30.2</td> <td>•</td>	0000	581.9	1·8-	-24.7	25.3	765.1		5115	30.2	•
559.5 -10.1 -25.3 27.3 740.5 632.0 310.0 32.0 1.0 559.5 -10.1 -25.7 28.3 726.5 631.0 309.5 32.0 1.0 59.6 -10.9 -25.7 28.3 726.5 631.0 309.5 32.0 32.5 1.0 530.0 1.0 20.0 20.0 20.0 20.0 20.0 20.0 20	0.000	570.6	-9.2	-25.0	26.3	•		910.9	31.2	•
54uc6 -10.9 -25.7 28.3 726.5 531.0 309.5 32.5 11.8 53ucn -11.8 -26.0 29.4 716.7 630.0 306.6 33.0 10.0 521.5 -12.8 -26.0 29.1 705.4 621.8 306.5 33.7 11.2 51.7 -14.0 -28.1 694.0 627.3 304.9 34.2 11.2 50uch -15.2 -29.4 28.4 684.1 625.8 304.9 34.2 11.2 49ucc -17.3 -30.7 27.6 662.4 625.8 304.7 33.4 11.2 11.2 11.2 33.4 11.2<	0.000	2.64.5	_	-25.3	27.3	740.5		310.0	32.0	.00016
536.0 -11.8 -26.0 29.4 716.7 630.0 308.6 33.0 1.0 1.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	200°	544.6	S	-25.1	28.3	728.5		309.3	32.5	•
527.5 -12.8 -26.8 29.7 705.4 528.8 506.5 53.7 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	0.000	536.0	-11.8	-26.0	29.4	716.7		308.6	33.0	•
500-00 -14.0 -28.1 29.1 694.0 627.3 504.9 54.2 1.0 500.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	500.0	527.5	-12.8	-26∙8	29.7	4.007		306.5	33.7	•
50000 115.2 -29.4 28.4 684.1 625.8 504.0 53.5 10.0 50.0 50.0 50.0 50.0 50.0 50.0 50	0.000	0.710	-14.0	-58.1	29.1	9.464		204.0	24.5	•
490.7 -16.3 -50.7 27.6 673.4 624.4 504.7 53.4 1.4 1.4 1.4 1.4 1.5 -17.3 -51.9 26.5 662.4 623.2 505.8 54.3 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	50000	8•00c	-15.2	•	28.4	684.1		304.0	÷	-
#80.6 -17.3 -31.9 26.5 662.4 623.2 305.8 34.3 1.4 170.6 -17.3 -31.9 26.5 662.4 623.2 305.8 34.3 1.4 170.6 -18.3 -33.2 25.4 651.6 622.0 300.7 35.6 1.4 14.7 -20.3 -34.5 23.2 641.0 621.6 307.2 37.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1	0.000	400.4	-16.3	_	27.6	673.4	ر ې	204.7	'n	•
#75.6	3.000	J•08#	_	31.	26.5	662.4	22	305.8	÷	1.000150
467-2 -19-3 -34-5 24-3 641-0 620-8 507-2 57-4 1- 457-8 -20-3 -55-8 23-2 630-5 619-6 508-5 58-8 1- 444-4 -21-5 -56-9 23-1 620-5 618-1 510-6 59-8 1- 439-2 -22-7 -37-9 23-3 610-8 616-6 514-4 40-8 1- 430-1 -24-0 -58-9 23-4 601-2 615-0 519-9 41-9 1-9 421-2 -25-2 -40-0 23-8 591-7 613-5 520-6 45-4 1-	0000	170.8	18	33.	25.4	651.6		300.7	ů	•
45/-8 -20-3 -35-8 23-2 630-5 619-6 308-5 38-8 1-44-4 -21-5 -36-9 23-1 620-5 618-1 510-6 39-8 1-44-4 -22-7 -37-9 23-3 610-8 616-6 519-9 14-4 4-1-9 1-24-0 -23-4 601-2 615-0 519-9 41-9 1-421-2 -10-0 23-8 591-7 613-5 32-9 43-5 1-41-0 23-8 582-4 613-9 320-6 45-4 1-6	500.0	401.2	61	34.	54.3	641.0		307.2	:	1.000145
443.4 ~21.5 ~36.9 23.1 620.5 618.1 510.6 59.8 1.4 4 43.4 ~22.7 ~37.9 23.3 610.8 616.6 514.4 40.8 1.4 41.9 1.4 41.9 1.4 421.5 ~10.0 23.8 591.7 615.5 523.0 43.5 1.4 41.2 ~25.2 ~10.0 23.8 582.4 613.9 520.0 45.4 1.4 61.8	0.000	42/6	20.	35	23.2	630.5		308.5	ဆံ	-
439-2 -22-7 -37-9 23-3 610-8 616-6 514-4 40-8 1.00013 436-1 -24-0 -58-9 23-4 601-2 615-0 519-9 41-9 1.00013 421-2 -25-2 -40-0 23-6 591-7 613-5 523-0 43-5 1.00013 412-5 -26-5 -41-0 23-8 582-4 611-9 320-6 45-4 1.00013	0.000	•	21.	-36.9	23.1	620.5		310.6	÷	•
436-1 -24-0 -38-9 23-4 b01-2 b15-0 519-9 41-9 1.00013 421-2 -25-2 -40-0 23-6 591-7 b13-5 523-0 43-5 1.00013 412-5 -26-5 -41-0 23-8 582-4 b11-9 320-b 45-4 1.00013	3.600		25	•	23.3	610.8	616.	214.4	ċ	1.000137
412.5 -26.5 -41.0 23.8 582.4 611.9 320.6 45.4 1.00013	000000000000000000000000000000000000000		52.5		25.5 4.6 4.6	591.7	clo.	010.0 525.0		00013
	6.000		-26.5		23.8	587.4		320.0	2	. 1000

CTATION, LITTIES A	-			-	UPPLE AIR UNIA	VI W			
15 UEC 02	.	0700 HRS NST	F.51		HOLLOMAIN	2		32.	JE-UL LUDIO INATES
ASCENSION NO.	140. 356				TABLE 17			106.	106-U9965 LON ULS
1	•	1	·	;	Ð		:		
65.0.45.TR1c	PRESSUR	主 い。	TEMPERATURE	KOL. HOM.	DENSITY	SPEED OF	MIND DATA	TA For Ca	INUEX
MSL FELI	HILLIUMPS	Ö	CENTIGRADE	TENCEN	METER	KNOTS	LEGREES (TN)	KNOTS	NEFRACTION
24000.7	0.04	-27.7	-42.0	23.9	573.3	610.4	329.0	46.6	1.000129
24500	395.5	-28.9	-4.7.	93.9	564.0	_	351.0	47.5	1,0001
<50005	387.1	-30.0	T - 1/1-	23.8	554.6	_	331.5	40.8	1.000124
455000	378.A	-31.2	-45.1	23.7	545.4	_	331.8	50.0	1.0001/2
20000	370.7	-32.3	-46.2	23.6	536.3	-	0.150	51.5	1.00014
40500.0	362.8	-33.5	7.24-	23.4	527.5	_	330.2	53.0	1.000118
67000.9	355.1	-34.6	-48.3	23.3	518.6	_	331.2	51.9	
27500.0	347.5	-35.8	-49.3	23.2	510.0	_	332.3	50.9	1.000114
Z4000.0	340.1	-36.9	#•0G-	23.0	501.5		333.4	50.7	1.000112
28500.0	332.6	-38.2	-52.6	\$40.02	493.2		3.450	50.5	1.000110
<9000.5	325.3	-39.5	-55.1	15.7**	485.0		D. #50	51.9	1.000108
29500.0	310.1	-40.8	-29.3	ä	476.9		35.3	53.5	1.000106
30000°	311.1	-42.1	1-64-1	7.0**	0.694	592.2	135.1	54.6	1.000105
Ju200.0	304.2	14.5.4	-11.7	2.7**	461.3		2.4.5	55.4	1.000103
21000.0	297.4	1.44.7			453.6		333.3	57.2	1.000101
51500.0	290•6	-46.1			8 · C · · ·		351.7	59.3	1.000099
32000.0	284.0	147.4			436.3		330.7	2.09	1.000098
32500.0	277.4	-48.8			430·8		329.9	62.0	1.000096
23000.)	271.1	-50.5			423.5		328.9	64.1	1.000094
52200	264.9	-51.5			410.4	574.9	328.0	66.2	1.000093
3.1000.0	256.8	-52.9			オ・カロオ	578.2	327.5		1.00001
34500.5	252.9	-54.3			402.5		36/02	64.8	1.000090
35000.0	247.0	-55.0			30406		326.8	62.0	1.000088
32500.0	2.142	-55.7			386.5		326.1	57.4	1.000086
20000	235.4	-57.0			379.3		753.9	55.3	1.000084
3050g	229.7	-58.2			372.4		320.1	56.6	1.000003
37000.0	254.5	-59.5			365.6		310.5	58.5	1.00001
0.000.0	0.012	1.01			V-500		316.0	1.10	1.00006
28000.0	213.6	-64.0			352.3		5.605	63.7	1.000078
38500.0	200°	-63.2			からから		201	65.6	
39000.0	203.4	-64.2			339.1		305.4	67.5	1.000076
39500.0	196.5	-61.9			327.4		304.0	67.9	1.000073
40000	195.7	-61.1			318.3		505	68.3	1.000071
40200.0	697	-c00-3			3000	-	300.1	67.7	1.000069
6.0001P	164.5	-54.5			300.9	-	3.7.5	bc.4	1.00006.1
41500.0	1.091	-58.7			292.5		20.50	65.6	1.000065
42000.0	175.7	1.65-			240.1		2.267	24.1	1.000004
4<5000.0	171.5	-59.0			280.1		24042	62.0	1.000062
43000.0	107.4	+·09-			274.2	_	299.5	59.1	1.0000.1
43500.0	165.4	-60.2			267.4	9.999	2.80.2	50.5	1.000000

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE MAS ULEA IN 146 INTEMPOLATION.

ETIC COUNDINATES 32.60865 LAT LEG UN.U9965 LON DEG INDEX U OF S REFRACTION	1.000058	1.000053	1.000051	1.000048	1.000045	1.000044	1.000042	1.000041	1.000034	1.000037	1.000035	1.000034	1.000053	1.000031	1.000029	1.000029	1.000027	1.000027	1.000025	1.000024	1.000023	1.000023
LOD 1	53.2	7 C C C C C C C C C C C C C C C C C C C	41.4	36.5	35.9	35.9	36.9	38.8	40.1	43.3	47.1	6.64	50.2	40.4	22.4							
"IND DATA	287.6	K 66 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	263.1 682.1 181.9	261.3 260.7	73.5	278.3	278.7	7.087	261.1	282.7 283.4	0.48	284.1	7 Q Q Q C C C C C C C C C C C C C C C C	88.00 9.00 9.00 9.00	241.3							
SPEED OF SOUND ANOTS	570.6				567.6 560.6	1,654	565.7		565.7	564.2			566.2			568.4 268.9	•	569.6 569.9	570.2			572.2
UPPER AIR UATA 3490010330 HOLLOMAN TABLE 17 Cont'd DENSITY SPEE GM/CUBIC SOU	259.0	24c.6 234.6	222.4	214.0	201.3	197.1	187.7	178.7	170.4	166.9 162.7	158.6	150.5	146.0	139.2	132.1	126.7	122.2	119.2	113.3	107.7	105.0	99.66
U HEL.HUM. PERCENT																						
26.59 FLET MSL 0700 HRS MST TENYERATUPE AIN DEMPOINT DEGREES CENTIGRADE	-58.6 -58.0	-50c-7	102.00 102.00 102.00 102.00	-59• 1	-61.6	-62.3 -62.3	-62•3	162.3	-62.6 -62.6	-63•4 -63•3	-63.0	-62.3	-62.0	-61.3	9.09-	-60.3 -54.9	-59.6	-59.4	156.9	-58.3	-53.0	7.1
UDL "11 330 ESSURE LIUARS	159.5 -5	പ്രത		in to t	2 ~	119.5 -62	· 0 =		u e	100.5 -0 98.9 -6	9- 1-06	? -	80.9 -6.88	. .		78.7 -6 70.8 -5		75.1 -5	~ (6.	63.5 -57. 61.0 -57.
STATION ALTITUDE 15 DEC. 82 ASCLUSION NO. 3 GEUNETRIC PRESS ALTITUDE MSL FEET MILLIU	0.000044	45000.0 45500.0	40003.0 40003.0 47000.0	9.0009. 9.0509.	3.0064	50000° 50000° 50000°	0.00015	52003.0	5 5500•6	5,5503.2	54500.0	55500.0	50000.0	57000.0	29000.0	58500.0	59500.0	60000°0	0.00019	0.000.0	\$*00GZ9	e39000-0 e3500-0

AX WIGH DATA HAVELLY DUE TO MISSING RAW AZIMULI, AND ELEVATION ANGLES.

GEODLIL COOKLINATES	32.68885 LAI DEG 106.09965 LON LEG	1 to 1 to 1	, A	REFRACTION	1.000022	1.000001	1.000021	1.000020	1.000020	1.000019	1.000019	1.000018	1.000018	1.000017	1.000017	1.000017	1.000016	1.000016	1.000015	C10000.1	1.00001	210000 T	*100001	10000	1.0001	1.00013	1.000012	1.000012	1.000012	1.000012	1.00001	1.00001	1.000011	1.000010	1.000010	1.00001	1.000010	1.000004	1.000009	1.000004	1.000009	1.000009	1.00000
GEODLTIC	106.0	٤.	17.3.45	KNOTS									8.3	6.7	÷.	5.1	6 0 ·	7.1	0.0		9.6	12.1	9.0	12.6	12.4	12.2	12.0	11.7	11.5	11.4	10.5	9.6	9.6	6.6	10.6	12.9	10.0	19.5	22.5	25.5	25.5	24.9	24.6
		AIND DATA	CTION	ILEGREES (TH)									4.35.4	C40.1	c•1c7	251.b	72107	202.0	262.4	3,00	0.667	707	2000	307.00	7.90	0.000	6.600	314.7	219.7	324.8	304.8	350.5	9.2	50.6	50.0	69.3	1.18	86.5	93.3	96.3	オ・オハ	45.5	3. 06
UA1A Su		Apr For OF			572.6						574.0	574.0		573.9		573.7						2,7,1																					574.4
UPPER AIR DATA 3490010350	TABLE 17		ر	METER	97.3	94.49	92.5	90.1	84.0	85.9	85.9	81.9	80.0	70.7	76.3	74.5	12.B	7.7	00°0		200	63.5	61.7	4 0 9	3.50	57.5	50.1	54.6	53.2	51.6	70°	49.1	47.6	40.7	45.0	C++1	43.5	45.5	41.5	0.04	39.5	38∙0	31.7
D		RFI . HIM.																																									
126.59 FEET /SL	- CF	FEMULIAT INE	AIR DEMPOINT	S	-57.1	-56.8		-56.2	-56.1	-56.1	-56.1	-50.1	-56.1	-56.2	-56.2	-56.3	-56.4	100.	156•5 156•5		-56.6	-500-7 -560-7	150.0	e e	0.00	-57.0	-50.7	-50•0	-53-4	-54-7	-54.1	-53.5	-52.8	-52•6	-52.5	-52-4	52.4	-52.3	-52.2	-5.2.2	-52•1	-52.0	52.0
~	336	PRESSURE	,	MILLIBARS DE	60.3	58.9							43.9		_			-	1 1 20.01 21 21		7.Th		·													20.5		.			25.1	- 54.5	24.0
STAFFON ALTITUDE	ASCENSION NO.	GEOME THAT	AC LITOIN	MSL FEET	0.000%0	0.0000	6.000ca	0.00500	0.00000	66500.9	c.0007a	o 7500 e	64000.0	0.00000	C-00069	6,500.0	0.00007	0.00007	0.00017	0.0004	7.500 o	0.000.7	7,5500.0	74000	74500.0	75000.0	75500.0	70000	10500.0	7,000.0	0.000.77	78000.0	79200.0	7.3000.1	7.9500.0	0.0000	90200	91000.c	91500.0	0.00058	0.000.50	83000.0	33500.6

AK WIND DATA INV.LI., UF TO MISSING RAW AZIMUTH AND ELEWATION ANDLESS

And the second of the second o		41 Jr. 60 Feet 1	_	UFPER AIR DATA	DATA		A T. MORAL	
15 U.C. (12)		6700 185 BST		HOLLOMAN	3		10000	32.64865 1 AT 1166
ASCENSION NO	110. 356			TABLE 17			106.	106-19965 LON DEG
of one Tare	PRESSUR	1E.aveRaTupe	RFI . HUM.	Copt'd	SPEEU OF	AINU DAIA	4_	X L
ALIITUUL NSL FELT		A L DEGR			SOUND	UIRCCTION	SPEED	OF MEFRACTION
0,4000	23.4	-51.9		30.8	579.5	400.7	22.6	1.000000
0.4500.0	55.9	-51.8		36.0		82.2	c	1.000008
0.00000	22.3	-51.7		35.1		77.0	19.1	1.000008
85500.0		-51.7		34.5	-	79.3	19.1	1.00008
de000	21.3	-51.6		37.5		82.0	17.1	1.000007
96507.0	20.0	-50.7		32.6	581.0	85.0	16.2	1.000007
0.00020	20.3	9.64-		31.7		80.3	13.6	1.00007
67500.0	19.9	9.64-		30.8		98.0	10.9	1.000007
6.00088	13.4	-4.1.1		30.1		5°06	8.1	1.000001
04500.0	19•0	-47.5		29.3		9.18 9.18	6.5	1.000007
6-00068	18.6	-47.0		20.6		0.50	2.6	1.000006
89500.3	υ	-46.5		27.9		4.7	5.3	1.000006
90000	17.7	-46.0		27.5		31.4	5.8	1.000000
905n0.0	~	-45.5		20.5	-	30.9	9•9	1.000006
91000.0	17.0	-45·0		55.9		30.5	7.3	1.000006
91500.0	10.0	-45.0		25.3		30.2	8.0	1.00000c
92000.0	-	1-5-1		24.8		30.0	8.6	1.000006
92500.0	~ '	n:03-		24.5	588.1	0.00	æ .	1.00005
95000.3		#		23.7		20.00	6	1.000005
		140.0	*	7.50	9 · / 8 · /	29.3		2.00000
94500	• ~			22.2		27.7	8.9	1.000005
95009.0	-	6.01-		21.7		25.9	9.6	1.000005
95500.0	-	0.44-		21.2		63.9	8.0	1.000005
900000		-40.2		20.7		22.3	7.1	1.000005
9-500.0	13.2	-46+3		20.3	580.8	6.02	5.7	1.000005
97009.0	12.3	5. 91-		19.8		18.6	₽. 3	1.000004
97500.0	-	9•06-		19.4	580.4	7.4.	2.9	1.000004
789900.0	7.	146.7		19.0		5.550	3	1.000004
0.00000 0.000000	1103	140.0		91	587.5	2.147	A IV	1.00004
99500.0	=	-45.1		17.6		5,96,5	8.1	1.000004
100000.3	11.3	E + + + -		17.4		2.462	10.5	1.000004
1005001		-43.5		10.7		247.5	12.8	1.000004
101000.		9.24-		16.3		253.1	15.2	1.000004
101500.0	10.5	-41.A		15.9		1.752	17.7	1.000004
102000.0	10.3	0-15-		15.5		1.002	19.4	1.000003
192507.0		0.0±		15.1		6.597	19.7	1.000000
105000.0	c.y	-39.9		14.7		0• ¢ 0>	20.0	1.000003
105500.0	٠,•,	-34.8		7.7	1956	<000×	20.4	1.000003

GEODETIC COORDIHATES 32-88865 LAT DEG 106-09965 LON DEG	INJEX	REFRACTION	1.000003	1.000003	1.000003	1.000003	1.000003	1.000003
9EODET10 32.e 106.e	1.A	KNOTS						
	ALAU DATA	ILGHEES (TN)						
So IA			1950	595.1	595.2	595.2	595+3	595.3
JUPER AIR UNIA 3490010336 HOLLOMAN TABLE 17 Cont'd	REL.HUM. DENSITY SPEED OF PERCENT GMZCURIC SOUND	METER NNOTS	14.1	13.6	13.5	13.2	12.9	12.6
5 -	REL.HUM. PERCENT							
1 NS,	TEMPERATURE IK DEMPOINT	AILLIBARS DEGREES CHITIGRADE						
6.59 FE 700 HRS	1EM AIK	DEGREES	-39.8	-39.8	-39.7	-39.7	-39.7	-39.6
111UDL 112	PRESSURL	AILLIBARS	¥.€	7.6	9.0	g•3	g•6	۵ د•
5TMT10N ALITTUDE PIZE+59 FEET NS. 15 UCC+ 32 0700 HRS MST ASCENSION NO. 33+	GEUPPETAIC PRESSURE ALTITUDE		104000.0	104500.0	105000.0	105540.0	100000	100500.0

STALLOW ALLITUDE MIZONNY PLET MS. 15 DEC. AZ ASCENSINI MO. JÖĞ

MAMDATORY LLVELS 3490010350 HOLLOMAM

SEOULTIC COUNDINATES 32-RBBS LAT DES 106-09965 LON DES

TABLE 18

PIRESSUIVE U	PRESSUICE LEUPOLENTIAL	TEM	TEMPEKATURE	KEL. HUIL	WIND UATA	A T A
		AIR	UE WPO I'LL	PERCENT	"TRECTION	
HILLIBAKS	۴۲, ۳	S	CENTIGRADE	•	UEGREES (1R)	KI OTS
850.0	5,08.	4.3	-11.7	30.	3.5	£.0
0.008	6723.	2.8	-16.3	23.	4.7	3.5
750.0	8426.	P:-	-17.5	26.	322.9	0.6
706.0	10230.	-1.9	-19.7	24.	305.4	19.4
650.0	12156.	-3.7	-23.1	20•	310.5	25.0
600.0	14217.	-7.0	-24.3	24.	310.1	20.2
250.0	16428.	-10.8	-25•6	20.		34.4
500.0	18809.	-16.0	-30.2	20.	304+3	37.1
0.041	21388.	-21.3	-36.7	23.	310.2	37.6
0.004	54500.	-28.3	-42.5	54.		47.0
350.0	27296.	-35.4	0.64-	23.	331.9	51.2
300.0	50754.	2.44-				50.4
520.0	34671.	-54.6			327.1	64.2
200.0	39251.	-62.2				67.8
175.0	41984.	-59.3				63.9
150.0	45151.	-57.3				6.04
125.0	48909.	8.09-				35.9
100.0	53431.	-63.6				43.6
80.U	57958	-60.5				XX0.6666
70.0	.76900	-59.0				4X0.8666
0.09	63885.	-57.0			-	XX0*6666
)•)ç	.7684.	-56.1			231.2	4.7
0.04	72333.	-56.7			302+3	14.1
30.0	78345.	-52.6				4.7
55.0	82213.	-52.1				25.2
20.02	36963.	-48.7				11.8
200	93244	9.55			6.67	3 1
0.07	• 00 1 20 7	6.66-			263.6	19.1

AT ELA,T ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION. :

AX WIND DATA INVALID DUE TO MISSING RAW AZIMUTH AND ELEVATION ANGLES.

STATION ALTITUDE SYB9.40 FEET MSE 15 UEC- 32 6030 HRS MST ASCENSION NO. 517

TABLE 19

	REL.IKIM. PERCLIVI		0.96				19.0	17.0	17.0	16.0	16.0	17.0	25.0	0.02		21.0	7.0	18.0	16.0	~	•																		
	CEWPOINT	=	-2.B		5	, ,	-17.4	-19.9	-22.0	\$ 5 7	~	-25.2	-24.5	1.10	4.00	-36.7	•	144.7	Ð	-51.0	•																		
	AIR OFN	UEGNEES	•	1.9		•	4.1	•	•	•	2:51	2.E	8.7.	1.56.9	0.01	2.61-	· .	27.8	-31.2	•	•	8.44-	-54.8	-55.6	-57.4	-65.9	-63. 5.00.	-50.5	9	9	•	ċ		•	•	6.09-	ċ		-62.5
	ALTITUDE		•	4084.1		127		-	•	_	11753.5	5966	128.	* * * * * * * * * * * * * * * * * * * *	5000	21051310	• TC0.T	23569•0 24305•4	25708.6	27049.4	28382.6	30671.3	34389.1	34789.0	36046.7	38256.7	38939.3	0,000,00	touch.	44372.9	_		45A81.6	:	8592.	95456	93	٠.	3.7
i i	Pick SciOlog	MILLI(JAKS	0.788	883.8	257.4	150.0	015.9	795.7	717.5	700.0	661.3	530.4	580.3	6.150	-	O	6.104	00	æ	٥	3	0	æ	0	3 .	≠	3 (<u>ء</u> د	72.3	157.0	154.3	50	145.9	137.5		٠		105,5	

STATION ACTITUDE 3389, 90 Ff.; 1 , St. 15 tal (2, 52)	SIGNIFICANT LEVEL WATA 3490020019	, A 1 A
ASCENSION 110 - 019	TABLE 19 Cont'd	
PRESTARE GROWETATC	_	RELIM.
AI TITUDE	AIR DEWPOINT	PERCENT
MILLIMANS MSL FELT	DEGREES CENTIONAUE	
95,1 54598.9	-62.5	
	6.09-	
74.1 59712.4	-61.1	
70.0 60885.1	-59.1	
65.1 62364.3	-60•11	
99.54 U4244.9	-57.7	
53.1 66621.1	-57.7	
	-55.9	
	-57.4	
35.1 75276.4	-57.4	
	-52.9	
24.3 83093.7	-52.4	
20.0 11332.6	8-11-	
18.7 88021.7	5.44-5	
	-47.5	
1.19500 0.11	7.04-	
10.0 102733.2	-41.7	
7.7 108585.7	-43.5	

ည်း ရှင်သည်။ ရှိသိမှနာလ်လေမှသမည်။ ရိမ္မာစည်းအချိတ်သည်သည်နှင့်စီအိန်းနှံ သူလူဌာ	REL.HUM. ADE. B 96.0 C 96.0 C 96.0 C 25.0 C 25.0	REL.HUM. PERCENT 96.0 96.0 53.6 27.4 27.4 22.0 22.9 22.8 21.4 21.4
UFNSITY SPLEU OF CW/CUBIC SUCUED SUCUE	10	AND
136 . 4 100 . 4 100 . 4 100 . 4 100 . 6 100 .	ב אים היים ב שיר ב איר פיים ב ביי	2.3 2.1 2.1 2.1 2.1 2.3 3.3 4.4 4.3 4.3 1.4 1.4 1.4 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6
1110 1110 1100 1100 1100 1100 1100 110	No - 20 - 40 - 40 - 40 - 60 - 60 - 60 - 60 - 6	11.8 22.1 23.1 23.2
1110 100 100 100 100 100 100 100 100 10		100 100 100 100 100 100 100 100 100 100
·	- Nr 2 0r 2 - r 2 2r 0mg 2 - :	100 100 100 100 100 100 100 100 100 100
·	Nr 4 0r 4 mr 4 3r 0mg 4 m	11111111111111111111111111111111111111
·		11111111111111111111111111111111111111
		11111111111111111111111111111111111111
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		
	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	1
7 0 7 0 × 7 × 0 0 7 × 0 0 7 × 0 7 7 7 7	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	1
0 - 0 0 0 1 - 0 0 7 3 0 0 7 7 7 7 7 7 7 7 7 7 7 7 7 7	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1
~ ^ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
0 ~ ~ ~ 0 0 0 ~ 0 0 0 ~ 0 0 0 0 0 0 0 0	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	114.4 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	~~~~~	114.5 114.7 115.0 115.0 115.6 115.6 115.6
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	~~~~	115.0 22 115.0 23 115
	0000000	115.0 2 3 115.6 2 3 125.6 2 3 15.6 2
	WW 2001	115°5 115°5 15°5 10°1 10°1
	1 71 (0) (3 -15.8 2 3 -16.1 2
	20.	3 -16.1 20.
	•	
	•07	2 -16.4 20.
	.7 20.	2 -16.7 20.
NO 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0 19•	1 -17.0 19.
	ئ -	17.3
	. B.	-17.7
	18.	7 -18-1 18-
	18.	-18.4 18.
± a h a o b k c c c	y 17.	•3 -18•B 17•
*********	2 17.	-19-2 17.
) 4 O D V D 7	5 17.	.9 -19.5 17.
400000	, 17.	.7 -1n.y 17.
00703	0 17.	.6 -20.0 17.
ב פינים	17.	.5 -20.0 17.
N D F	~	.4 -20.1 17.
10 37	2 17.	-20.2 17.
4 040	?	.2 -20.3 17.
	. 17.	•1 -20.3 17.
980.0 540.4	4 17.	.020.4 17.
•	5 17.	-20.5 17.
973.3 646.2	ار 17.0	·8 -20·0 17.

STALLON ALILLUDE		39-39-00 F. I L.SL	15.	-	UPPER AIR UMI	A 1 2 1		GEODE TI	SECUETIC COURDINATES	
15 DEC. 02	•	0830 HRS MST	15M		WHITE SANUS	3		32.	32-40043 LAT DEG	
NSCENSIUN 110.	40. 619				TABLE 20 Cont'd			106.	106.37033 LON DEG	
SEUME TRAC	PRESSURE	TEM	TEMP-LRATUPE	REL.HUM.	DENSITY	SPLED OF	WIND DATA	1.4	INCEX	
ALIITUUL MSL FFFI	MILLINGS	AIR	ULWPOINT CL. TIGRADE	PERCENT	GM/CUBIC MFTER	SUUND	UINCCTION	SPEED KNOTS	OF SEPTION	
2007	-		1.00				7 - 7 m.	3	61 6000	
0.0007	0.00	•	7.02	0.7	0.00	1.0.0	100		2.2200fl • t	
3.0000	105.9	٥ . • •	1.02	0.7	9.006	0.010	0.002	٠, ر د د د	1.220001	
01000	C•09/	1•5 _	-50.8	17.0	963.3	64249	4.687	9.6	1.000220	
8200.0	5.14.	1.5	-20.9	17.0	0.096	9.cho	< 90.1	10.3	1.000220	
3300.0	754.3	7 • 1	-21.0	17.0	956.1	9+5+9	3.062	10.7	1.000219	
0.0040	751.5	1.3	-21.0	17.0	953.4	6.649	4.162	11.2	1.000218	
ია00ლ	740.0	1.2	-41.1	17.0	950.2	4.040	6•167	11.7	1.000217	
0.0000	745.8	1 - 1	11-	17.0	6.946	6.640	4.26.7	12.2	1.000217	
0.0070	745.9	1.0	-21.3	17.0	945.7	2.040	6.767	12.3	1.000216	
0.0000	740.5	6•	-21.4	17.0	h•0h6		293.4	12.4	1.000215	
6900.0	737.4	8.	-21.4	17.0	937.2		6986	12.5	1.000214	
0.0006	734.6	.7	-21.5	17.0	934.0		294.3	12.6	1.000214	
3100.0	731.	••	-21.6	17.0	930.8	2+440	9.467	12.8	1.000213	
9200.0		•5	•	17.0	927.0	9.440	295.2	12.9	_	
9390.0		†	-21.7	17.0	4.456		7.662	13.0	1.000211	
9400.0		۴.	-21·d	17.0	921.3	_	<96.1	13.1	1.000211	
9599.0	720+3	•5	-21.9	17.0	916.1		2,96.5	13.2	1.000210	
9600.0			-22.0	17.0	915.0	2.449	297.0	13.4	1.000209	
9700.0		-:	-52.5	16.9	912.2	043.9	47.0	13.5	1.000208	
9400.0			-22.5	16.7	909.6	043.0	2.86.2	13.6		
9900.0		9•-	5.	16.6	6.006		298.7	13.7	1.000207	
10000.0		8	23.2	16.4	904.3		6.662	13.8	1.000200	
10100.0		-1.1	-23.5	16.3	901.7		6.667	13.9	•	
10200.0		•	-23∙8	16.1	899.1		300.4	0.41	1.000205	
10300.0	• F. F. S.	-1.5	-24.0	16.0	990.4		6.00°	14.2	1.000204	
10400.0	•060	-1.6	-54.1	16.0	693.3		201.0	7.5	1.000203	
10500.0	693.9	80 	-24.2	16.0	890.5		1.205	S-	1.000203	
10/00	688	0.71	7.70	9.0	988	2 - 1 - 10	00.00	15.7	1.000201	
10800.0	085	-2.1	-24.5	16.0	861.4		307.4	16.4	1.000201	
10300.0	683.3	-2.2		16.0	878.4	# · T h G	6.80°	17.0	1.000200	
11000.0	7.080	-2.3	-24.7	16.0	875.2	641.3	310.2	17.7	1.000199	
11100.0	679.1	-2.5	-24.8	16.0	872.2	1.140	311.5	18.4	1.000144	
11200.0	67.5	9-2-	÷	16.0	869.3	740	312.7	19.1	1.000198	
11390.0		-2.1	-25.0	16.0	866.3		9.51c	19.8	1.000157	
11400.0	020	-2.8	1-25-1	16.0	863.4	_	514.7	20.4	1.000196	
11500.0	./04	-2.9	-25.1	16.0	•		7.415	50∙B	1.00014	
11600.0		-3.0	-25.2	16.0	857.5	4.040	314.0	21.1	1.000195	
11700.0		-3.1	-25.3	16.0	654.0	6.040	9.410	21.5	1.000194	
11000.6	660.1	-3.2	4.67-	16.0	A51.0	2.040	7.710	51.9	1.000194	

*EODETIL COONDINATES 32.40043 LAT DEG 106.37033 LON DEG	INUEX	OF HEFHACTION	1.000193	1.000192	1.000192	1.000141	1.000190	1.000190	1.000188	1.000188		1.000166	1.000186	1.000185	1.000105	1.000164	1.000103	1.000163	1.000182	1.000162	•	1.000181	1.000180	1.000179	1.000179	1.000178	1.000178	1.00017	1.000170	1.000175	1.000175	1.0001	1.0001	1.000173	2/1000-1	1.000172	1/1000-1	1.1000.1	1.000170
vEODE116 32.4 106.3	<u>۲</u>	SPEED ANOTS	22.2	22.6	23.0	23.3	23.7	23.7	23.50	23.4	23.3	23.2	23.2	23.1	23.0	23.0	23.3	23.6	23.9	24.1	* * * * * * * * * * * * * * * * * * * *	7.42	25. 25. 25.	25.6	25.9	26.2	26.5	27.1	27.4	27.7	28.0	28.3	28.6	28.9	7.63	0.03	8.82	28.7	28.6
	WINU UAT	LINCTION INCRES(IN)	015.0	315.0	315.1	115.1	515.2	514.7	513.5	314.8	312.2	311.6	910,6	510.3	309.6	309.1	309.1	209.1	1.600	0.605	0.00	0.600	22	0.40ر	309.0	308.5	300.00	1000	#•80°	5000	308.2	308.1	300.1	0.800		1.700	5000	6.000	305.5
۸۲ بر در در	SPLEU OF	SOUND	640.1	040.1	0.040	_		939.9				039.6	639.5	639.3	039•1	u38∙8	638.6	4.950	038.5	0.50	137.7	63/63	63/•1	630.9	636.6	4,30.4	636.2	0.000	535.5	03503	635.1	u34·8	034.0	4.450	7. hco	6.000	1939	633.5	033+2
UPPLK AIR LAT 3490020019 AHITE SANUS TABLE 20 CONT'd		GM/CUBIC METER	846.4	845.3	842.2	839.1	830.1	833.0	820.9	823.9	820.4	817.8	814.9	812.3	809.7	807.1	804.5	802.0	799.4	4.06/		9.167	780.0	784.3	781.8	774.5	776.8	771.9	769.4	767.0	764.0	762.1	759.7	757.2	ייייייייייייייייייייייייייייייייייייי	750.0	• • •	74/	140.1
	REL . HUM.	PERCENT	16.1	16.2	16.3	16.4	16.4	16.5	16.7	16.8	16.8	16.9	17.0	17.4	17.8	18.1	18.5	18.9	19.3	19.6	0.02	**07	20:4 21:13	21.5	21.9	22.3	22.6	0 10 0	23.8	24.1	24.5	54.9	50.00	24°7	7	0.00	7 7		23.8
15. 1 12:	SELIPERATURE	DE WPOINT	-25.4	-25.3	-25.3	-25+3	-25+3	-25.3	-25.3	-25.3	-25.2	-25.2	-25.2	-25•1		-55.0	-24.9	8 • n2_	-24.8	7.4.7	7.4.7	9.1.7	2.0 4.4 0.0 1.1	-24.5	-24.5	h•h2_	t	7.70	4.45-	4.45-	-24.3	-24+3	-54.7	D • 47 - 1		2.42-	C • C Z _	7.55-	-26.0
959,00 Fp. 1 - Si 0830 (885 m51	(E.F	AIK Degrees	-5.3	-3.3	-3.4	1.3.4	-3.5		-3.6	-3.7	-3.7	-3•B	-3.8	0.4-	-4.5	1.1	9•1)-	-4.7	6.4		י נו י נו		6.01	-b.1	-6.2	1.0 -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		-7.2	4-7-	-7.6	-1.7	6.7-	10.) u	0 P	0	5	1.6-
£ 51	PRESSURL	WILLION'S	0./69	655.1	652.5	6:00:9	647.5	040 040 040	640.1	637.0	635.2	635.1	630.3	6.7.20	4.0.29	623.0	020.6	2.819	n•c10	913.4	7-110	1000	000	601.0	594.3	7.40	10 V	590.0	8./80	58.3.5	563.5	6.090	7.67.6	57c•4		3.776	1000	100	1.000
STATION ALITIULE 15 DEC 62 ASCENSION AU. 0	GEUME TRIC	ALITIODE	11,400.0	12030.0	12100.0	12200.0	12300.1	1/500.0	12000.0	12700.0	12000.0	12900.9	15000.0	15100.0	15000	1,500.6	13409.0	13500.0	13000.0	13700.0	0.0007	109011	14188:8	14200.0	14,000.0	14400.0	0.00541	0.00741	14800.0	14900.2	150.00	15100.9	15260.0	150000	0.000	000001	1,10001	0.007.01	10900.0

5TATION ACTITUDE 15 DEC: 02 ASERTATOR NO: 0		3919.CU FEIT HSL 6830 HRG MST 9	T ∴SL MST	_	~ ~ ~	A 1 2 2 2 2		0E0DET1C 32.4	DETIC COORDINATES 32-40043 LAT DEG 106-47033 LON LEG
	•				Cont'd	-)) •	
GE JUST TREE	PRESSURE	TEME	TEMPF KATURE	REL.HUM.		Srieu of	WINU DATA	1TA	INDEX
AL 111UUE		:	DEWPOINT	PERCENT	GM/CUBIC	Orinos	INTR-CT TON	SPEED	± 5 €
St Pt.L1	いれしてもびかべる	Ö	CELLIGRADE		ME TER	51011	1.EGRELS(1M)	KINOTS	REFRACTION
15900.0	562.9	-9.3	-56.5	23.6	742.7	0.33.0	304.7	28.5	1.000169
10000.0	7.613.	-9.5	-26.5	23.4	740.4		304.1	28.4	1.000169
10100.0	558.5	9.6-	_	23.2	730.0		303.5	28.3	1.000168
16200.9	550.3	8-6-	-47.0	23.0	735.0		9.500		1.000167
16300.)	554.1	10.	27.2	22.8	733.2	032.1	302.2	28.2	1.000167
16400.0	•	-10.2	-27.5	22.6	730.9		501.7	28.1	1.000100
100001	•	-10.4	-27.7	22.4	728.5		302 · U	28.1	1.000106
10000.0	•	-10.6	-28.0	22.3	720.2		302.2	28.1	1.000105
16700.0		-	-28.5	22.1	723.9		302.4	28.1	1.000164
10300.0	•	-11.0	-28.5	21.9	721.5		204.7	28.1	1.000164
16900.0	1.41.	-11.2	-28.7	21.7	719.2		302.9	28.2	1.000165
17000.9	C•680	-	59.	21.5	716.9		303.2	28.2	1.00016.3
0.007/1	5,000	-11.5	-29.3	21.5	714.6	630.2	7.00	28.2	
17.500-0	7. P.	5	6.62	21.0	710.0		30.05	28.2	1.0001102
17400.0	530.5	-12.1	-30.0	20.8	707.7		1.400	28.2	000
17500.9	520.4	, N	-30.3	20.6	705.5		204.7	28.5	1.000100
17000.0	526.3	-12.5	-30.5	20.4	703.2		505+3	28.7	
1/700.3		າງ	-50∙8	20.2	700.9		9•405	29.0	1.000159
17800.9	5,22.5	-12.9	-31.0	20.0	698.7	_	300.4	29.3	0001
0.006.71		2 :	. :	20.0	6,060		0.705	29.5	.000.
10000.0	514.0	 .	-31.4	20.0	694.3		307.5	29.8	1000
0.00101	2010	1.5.5	131.6	0.00	1.269	627.8	0.505	1.00	1000
18300.0		-	-22.0	0.00	687.4		1.60	9000	1.0001
18409.0		-14.2	-32.5	20.0	685.7	027.0	309.0	30.9	1.000155
14500.0	507.9	-14.4	-32.4	20.0	683.5		309.9	31.6	1.000155
190001.0		-14.7	-32.6	20.0	681.4		310.1	32.2	1.000154
18700.0	503.7	-14.9	-32・8	20.0	679.2	-	310.4	32.9	1.000153
18800.3		-15.1	32.	20.0	677.1		310.6	33.5	1.000153
10900.0	•	-15.3	-33+1	20.0	9.079		510.9	34.2	1.000152
19000.0	•	ŝ	-33.3	_	672.₽		1.11.	34.8	1.000152
19100.5	•	_	-33.4	•	670.1		511.3	35.5	1.000151
19200.3	•	~	-33.0	20.5	668.5	B++20	┛.	36.1	1.000151
•	•		'n	•	4.099		-	36.8	1.000150
13400.0	40.00	911	0.55	20°t	664.3	1,24 • 3	312.0	37.4	1.000150
0.000	•		0 1 1 1	•	3.700	11.4.20	•	0.00	1000
1.0000	•		>• • • •	• •	0.000		.	•	•
0.00761	2000 2000 2000 2000	10/1-		20.0	6.700	023.5	2.410	39.5	1.000148
CONDUCT	•	_	****	•	D+Cca		•	٠	1.000148

STATION ALIITUDE 15 DEC: 02 ASCENSION NO. 0	919	9830 FLC 9830 JRS KST	1 SL No I	_	UPPER AIR UAT 3490020619 WHITE SARUS TABLE 20 CONT'd	A 2 2 0		vEODLT1∟ 32•4∪ 106•31	ETIC COURUINATES 32.40043 LAT DEG 06.37033 LON DEG
GEOMETRIC ALIITUDE MSE FEEI	PRESJURE HILLIOARS	TEM, A1R DEGREES	TEMIERATURE R JEWPOINT LES CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND ANOTS	WIND DATA VIRECTION S LEGREES(IN) N	TA SPEEU NNOTS	INUEX OF REFRACTION
0.00047	6.114	-17.5	-34.0	20.8 20.8	653.7	623.0	315.6 316.3	40.4	1.000147
<020100-0 <0200-0		-17.9	-34.9	20.9	649.0	622.4	310.9	41.6	1.000146
20300.0	472.1	-12.3	-35.2	20.8	645.2		518.1	N _E	10000
	460.3	_	-35.0	_	640.3	621.H	519.3		.00014
20609.0	460.4		35.	•	÷.	621.7	519.7	÷	.00014
	462.6	-18.5	136.0	19.6	635.6	021.6	320•1	3 . 3 3 3 3	1.000143
20900.0	400.7	- 30	-36.4		630.8	621.4	361.0	• 3	1000
21000.0	458.9	÷	-36.6	•	628.5		321.4	3	.0001
21100.9	457.0	0.61	136.8	00	626.3	621.1	341.8	Ç,	1.000141
21300.0	453.2	. 6	-37.2	• •	622.5	950.8	366.6		1.000141
21400.0	451.3	÷	-37.5	6	620.6	020.1	3<3.0	5	.000
	644.5	-20.1	37.	•	618.7	19.19	4.520	'n.	1.000139
	•	120.4	V • 10 = 1	•	910.8	#•6[a	36301	46.1	.0001
21800.0		-21.0	3.85	19.0	613.1	11910	36.50.7	10.5	1.000138
	•	-21.2	-38.6	•	611.2		3<3.7	46.4	.0001
•	5.044 :	-21.5	-38.9	•	4.609	616.1	323.7	÷	1.000137
	_	-21.8	-39.1	•	607.5	_	323.7	46.6	.0001
25200.0	4.30.0	-22.0	-39.3	•	605.7		3<3.8	ġ.,	.0001
	433.0	-22.6	39.8	0.61	602.0	01/10	563.0	ۇ كى	1.000135
•	431.3	-22.9	0.04-	19.0	600	010.4	3<3.8	47.0	0001
•	429.5	-23.1	2.04-	•	590.4	0100	323.8	47.1	1 • 000134
•	42/-1	-23.4	-40.5	•	590.5	015.7	323.9		.00013
•	420.0	1.55	\ • O# -	•	7.460	015.4	323.9	47.1	.00013
3.6000	• •	0.40	7.07 1	•	592.9	Ω.	253.9	٠,	.00013
•		7.47	2.14	•	1.160	•	353.9	:	.0001
0.00757	7.07	124.0	1 · [†]	•	2.500 2.500 3.500	014.3	323.9	47.1	1.000132
		-25.1	5.1.		585.4	•	323.9	: .:	
•	41.5 5.4.5	-25-3	-45.1	•	_	013.5	263.9		1000
25000.0		-25.9	142.0	19.0	86.	013.0	56364	67.0	~ ~
3700.	410.3	-20.5	-42.9	•	78.	1 2	323.9		1.000130
<3800.0	0	-56-4	-43.5	18.7	576.9	012.0	323.9		1.000129

57471014 ALi 11Uüc 15 υΕC· Β2 45CLiSION 140. υ	.illUDc 35. .ilo. o19	3949+00 F(1) 5830 HRS NS) 9	1 SL N31		UPPER AIR UN 3490020019 WHITE SAMUS TABLE 20 Cont'd	<u>4</u>		90.	ETIL CUONUTMATES 32.40043 LAT DEG .06.57033 LON LEG
SEUMETHIC ALIITUUL SI FFF	PRESSORE	TEKP AIR DEGDEFE	RPERATURE UEWPOINT C. CENTIONAL	HEL . HUM. PERCENT	DENSITY GM/CUBIC	4	MINU DAIR	4	INCEX
		5116	CENTIGRADE		ı.	S 1014	LEGREES IN	STONA	KLFRACT 101
<3900.0	6.00%	-26.7	-43.5	18.6	575.1	611	3<3.8	•	
0.000+2	400.5	-27.0	8.64	18.4	573.3	2	323.8	#6.4	ĺ
•	000		•	18.5	5/1.5	010	323.8	•	71000
24300.0	400%	-27.8	7 · 17 ·	18.0	569.7	010.6	323.6	46.0	1.000128
	4.86E	88	6.44-	17.9	560.1		553.7		v 1
•	390.7	8	-45.2	17.7	564.3	200	353.7	ŝ	00012
•	395.0	28.	145. 5	17.6	562.5	60°	3<3.7	3	00012
•	393.3	ည်း	8.54	17.4	560.0	600	3<3.7	;	1.000125
3.00042	19160		1.94	17.3	558.8		323.B	•	1.000125
	3.50	, 0	140.0	2.7.5	0 • / ୯୯ 5 • / ୫୯		•	'n.	.00012
		6	0.01	0.41	3.000 3.488	-	• •	•	21000
25209.0	385.0	30.	-47.2	16.7	551.5	507.00	200	'n	21000
•	385.4	-30.2	4-74-	16.6		507.5	• •	,	71000
25400·0	381.8	-30.5	-47.7	ġ		6.000	3<4+5		71000
<5500.¢	380.2	-30.7	0.84-	16.3	540.2	9.900	324.6	5	.00012
5500.	378.5	-30.9	-48.3	•	544.4	6000	324.7	ŝ	.00012
5700.	370.9	-31.2	-48.6	ġ.	542.6	0.000	324.8	45.7	.0001c
0000	27.7	19104	20:00	16.1	D*0		364.6	46.1	00012
0.000	177.1		5. B. S.	16.1	1.650		364.9	46.6	00012
25100.5	370.5	0.00	T • O 7 -	201	535/4	002.0	2,4 2,4	47.1	1.000160
c0200.0	360.9	-32.5	5.64-	16.4	533.9		345.0	48.0	
•		-32.7	1.64-	16.4	532.2		325-1	48.5	1000
6400.	365.7	0.53	8.64-	16.5	530.5		345.1	0.64	_
0000		0.00	5	16.6	520.8		345.2	6	=
1.6000	362.0	0.00	7.05-	16.7	_	1.000	5,55,5	5.6 4	11000
		0.00	2 5	٠	_	7.700	5655	50°	=:
		N - 3K -	7.04-	6.91		10,00	200	0.05	11000
£700072		-34.6	-50.9	7		001.8	564.3	51.2	1000
7100.	354.9	-34.9	•		518.7	9.100	3<3.9	51.4	7000
7.000.0		2.4.4	-51.3			0.100	3<3.6	51.7	1.000116
7400.		6.55				9.009	`	52.0	11000
75,00		136.1			_	•	•	•	11000.
7500	347.1	1.00.	~ (•	i o	5	å.	52.5	.0001
7,700	•) P	֝֝֝֝֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֡֓֡֓֓֓֓֡֓֡֓֡֓֡֓	•	• :	· .	•	٠.	.00011
27800.0	34.4.1	-37.0	-52.7	17.6	507.5	594.1	366.0	53.00 53.00	1.000114

VEODETIC COCKUINATES 32-40043 LAT UEG 106-37033 LON DEG A INJEX OF KNOTS REFRACTION	1.000113 1.000113 1.000112	1.000112 1.000111 1.000110 1.000110 1.000110 1.000109	1.000108 1.000108 1.000101 1.000107 1.000107 1.000105 1.000105 1.000105	1.000104 1.000104 1.000103 1.000103 1.000103 1.000102 1.000101 1.000101 1.000100 1.000099
EOD 1 PEE	ស្រួស ស្រួស ស្រួស ស្រួស ស្រួស ស្រួស		3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	557.2 557.2 557.2 557.6 558.1 558.1 559.1 60.1
WIND DATA	521.4 520.7 520.2 519.7	110,000,000,000,000,000,000,000,000,000	310 210 210 210 210 210 210 210 210 210 2	117.6 5.18.0 5.18.0 5.18.0 5.20.0 5.20.0 5.20.0 5.20.0 5.20.0
US US SHEEU OF HOUSE	598.4 598.0 597.6 597.2		594.0 594.0 594.0 595.1 596.1 596.1 596.1 591.8	5.000000000000000000000000000000000000
JPPLR AIM 34900200 hHITE SAIN TABLE 2C CONT'D DEISTTY GM/CUBIC METER	505.4 504.3 502.7 501.2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	486.2 484.0 474.0 4774.7 469.0	24 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
HEL.HUM. PERCENT	17.6 17.7 17.8 17.9	,	12.8.4 10.6.4 9.99 9.50 7.07 7.07 5.69	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
FERT MSL HRS MST TEMPERAT, RE K DEWPOINT EES CENTIGRADE	2.00 - 1 - 2.00 - 1 - 2.00 - 2	25.74 26.44 26.44 26.44 26.44 26.44	158.1 158.1 168.1 168.1 168.1 168.1 168.1 168.1	-67.5 -70.3 -72.1 -74.3 -77.4
939.00 Fest mSL 19830 HRS MST ENPERAT. A A IN DEWES S DEGREES CENTI	-37.3 -37.6 -37.9	0.000000000000000000000000000000000000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
UDE 3 OTH ESSUR LIBAR	342.6 341.1 334.6 336.1	3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	324.5 324.3 321.9 311.9 311.9 311.9 311.9 311.9 311.9	204.2 307.2 307.2 307.2 307.3 307.3 294.3 294.3 294.3 294.3 294.3 294.3 294.3 294.3
STATION ALITIULE 15 UEC. U2 ASCLISIUM NO. U GEUMLTHIC PRESS ALITIULE ASCLIBUE	27900.0 24000.0 24100.0 24200.0	0.00482 0.00000 248000.0 248000.0 24900.0 24900.0	29100.0 29200.0 29400.0 29500.0 29700.0 29800.0 29800.0 29800.0	30200.0 30400.0 30400.0 304000.0 304000.0 30400.0 31000.0 31400.0 31400.0 31400.0

** AT LLAST ONE , SS.MED RELATIVE HUNDERTY VALUE NAS USEN IN THE HATERFOLATION.

STATION ALITUDE 39 15 DEC: AZ	789-60 FEFT MSL 0830 1185 MST		UPPER AIR UAT 3490020619 WHITE SANUS	7.11A		0E0DET10 32•40	ETIL COUMUINAIES 32.40043 LAT DEG
	ı		TABLE 20 Cont'd			106.	106+37033 LON DEG
ہے	TEMPERATURE	KEL.HUM.	DE	SPEED OF	WIND DATA	11A	INUEX
		PERCENT	GM/CUB1C	SCUMB	UIRECTION	SPEEU	ô
<u>.</u> 0	S.	LLJ	ME TER	NNOTS	HEGKEES(IN)	KNOTS	KEF RAC TION
	-47.7		442.0	584 • 9	363.6	61.5	1.000098
•	-48·0		440.5	564.6	323.7	61.9	1.000098
•	-46.3		439.0	5.495	323.B	62.2	1.000098
	-48.6		437.5	•	36.30.3	62.6	1.000097
•	-43.9		430.1		324.1	63.0	1.000047
•	-49.1		434.0		324.2	63.4	1.000097
•	するカー		433.1		324.5	63.B	1.000046
•	1.64-		431.7		254 • 4	64.2	1.000096
•	-50.0		430.5		3445	9.49	1.000096
•	-50.3		420.0		324.6	65.0	1.000096
	-50•6		427.3	581.5	7.425	65.2	1.00005
	-50.9		425.9	_	324.6	65.3	1.000095
270.5	-51-1		424.5		324.6	65.3	1.000095
	-51.4		423.0		344.5	65.4	1.000094
• •	-51.7		421.6	579.7	32404	ວ ເກີນ ສະເ	#50000·I
	-50 · 3		4.41.5		124.3	65.6	F P11000 - 1
	1,000		417.4		364.2	65.6	1,0000.1
	-52.B		410.0	578.2	324.1	65.4	1.000093
	-53-1		414.0		324.1	65.7	1.000092
	-53.4		413.2	577.5	324.0	65.7	1.000092
	-53.7		411.0	577.1	343.5	65.0	1.000092
	-54.0		410.5	570.8	323.1	64.3	1.000001
	£. 43-		1.604	570.4	342.0	63.6	1.000041
	-54.5		407.7	576.0	32201	65.9	1.000001
	-54.8		400.3	575.6	321.6	62.2	1.00001
	-55.0		a•+0#		321.1	61.5	1.00000
	-55.2		403.2		320.0	60.8	1.000040
	-55.4		401.7	574.8	320.1	60.2	1.000089
-	-55.6		400.1		219.5	59.5	1.000089
•	-55•H		398.5		0.640	58.8	1.000089
	-55.9		39,.9	5.476	314.3	58.5	1.000088
	-56.0		395.4		317.5	57.7	1.000088
	-56.2		393.0		310.7	57.1	1.000088
	-56.3		392.0		9,510	56.6	1.000087
	-50.5		390.4		315.1	56.1	1.000047
	-56.6		388.8		14.3	55.6	1.000087
	-56.8		387.2		4.540	55.1	1 • 000086
	_56.9		385.6	572.9	312.6	54.6	1.000086
	-5/•0		284.0		7 . 1 . 5	74.1	1.000086

	•	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_	UPPER AIR DAI	AIAU			
5 M 104 ACT 1100C	?	JR19+00 F[1 E5.		MHITE SAMUS	Z (52.00 1 1 L	C COOKUINATES
ASCENSION NO	61			TARIF 20			106.	106-37033 LON DEG
				ΔĎ	_			
GEOME TRIC	PRESSUR	TEMPERATURE	REL. HUM.	DENSITY	SPEEU OF	WIND DATE	14	INCEX
12 11 12 11 15 15 15 15 15 15 15 15 15 15 15 15	HILLIBARS	AIR DEWLOINT DEGREES CLUTIGRADE		GM/CUBIC METER	SUUM NNOTS	LEGALES (TR)	SPLEU NIOTS	OF KEF KACTION
55900.0	237.1	-57.2		382.4	572.5	9.010	53.6	1.000085
30000		-57.3		380.0	572.3	0.010	53.6	1.0000%5
30100.0	234	-57.5		5.476		208	53.9	1.000004
36200.0	• • • • •	-5/-8		0.110		308.5	1.0	0000
0.00000	200	128.0		0.00		00.00	•	1.000084
30500.0	230.3	ו וייי המיני יייי		373.8	570.7	300° 4	2 2 2	1.000004
30000	229	8.926.		372.4		305-1	55.2	80000
30700.0	220.0	-54.0			570	304.4	55.5	90000
36800.0	22º	-59.3		369.0	569	303.6	សំ	1.000082
30000	225	-59.5		368.3		302.8	56.1	1.000082
37000.0		-59.8		366.9	569	302.2	56.5	1.000062
37109.0		0.09-		365.5	568.7	301.5	57.0	1.00001
37200.0		-60.3		364.2		300.9	57.4	1.000081
37300.0		-60.5		362.9		500.3	57.9	1.000001
37400.0	220•4	-60.8		361.5		7.662 2.000	500 200 200	1.000081
0.00676		0.19_		2.000		7.667	76.9	090000
37600.0		-61-3		358.9	567-1	9.85	5.00 5.00 6.00	1.000080
00077				354.		347.6		1.00002
70000		0.10		3500		0.95	9.09	25000.1
38000.0		0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 ·		353.6	565.7	2,96.7	61.2	1.000079
30100.0		-62.5		352.3		2,96:1	61.6	1.000078
38200.0		-62.8		351.0	565.1	7.067	61.9	1.000078
38300.0		-62.9		349.6		7.96.7	62.2	1.000078
38400.0		-63.0		347.9		9.967	62.5	1.000078
38500.0		-63.0		340.3		240.b	65.9	1.000077
34400.0		-63-1		7.77	564	2,40.t	63.2	1.000077
38700.0		-63.2		1.5.40	264	9,967	63.5	1.000076
36600.0		-63.2		341.5		9.967	63.9	1.000076
36900.0		-63.3		539.9	264.4	7,96.6	64.2	1.000076
39000.0		-62.9		337.7		2,40.0	64.2	1.000075
39100.0	202.B	-62.3		•		9.96.7	64.1	1.000075
•	201.8	-61.7		332.4	566.6	7.06.7	0.49	1.000074
ċ	200.8	-61.0		329.6	567.4	2,46.5	0.19	1.000073
•	199.0	5.09-		327.3	568.2	2.40°5	63.9	1.000073
39500.0	198.9	150.1		325.1	568•7	2.40 × 2.	63.0	7/00001
2,000.0	10.7.01	100 m		2000	2.600	200	4	1.0000.1
34300.0	190.0	58.9		318.7	7.600	2,00.5	63.5	1.000071
•				,				, , , , , , , , , , , , , , , , , , , ,

5TAT10H AL1119DE 15 DEC+ 82	-	7303-00 F _L . 1 mS, 0830 185 MaT	, S :- 1 M • I	-	JEPER AIM DATA 3490029 WHITE SANDS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		v£00≿TIc 32•4€	C 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	3				TABLE 20			106.	106-37033 LON 1-EG
DEUNE THIC	PRESSURE		TEMPERAT PE	REL . HUW.	DENSITY	SPLEU OF	WINU UATA	41	INUEX
MET FELF	MILLIBANS	DLGREES	ULW, OINT	PERCENT	6M/CUBIC Mc TER	SUUND NIVOTS	HECTION ILEGRICATION	SPEEU K11015	OF REFRACTION
\$9.400.3	195.1	-58.5			310.6	5.074	796.5	4.5.6	1.000071
		-58.2			314.5	_	#*9E/	* * * * * * * * * * * * * * * * * * *	1,00001
40100.0	193.2	-57.3			312.5		6,45		0,0000.
40200-0	192.3	-5.7.4			310.0		1000	0 ° ° °	0.0000.1
40306.0		-57-1			308.5		9.56 9.56	63.1	1.00000
3.00+04		-57.3			307.3		2,45.6	63.0	1.000008
40200-0	187.5	-57.5			306.0		495.5	63.0	1.000008
40000.0	100.0	-57.6			304.8		6,562	65.9	1.000008
40700.9		-57.8			303.6		2,45.1	62.8	1.00001
40800.0	2002T	0.80-			302.3		5.467	65.8	1.0000.7
0.0000	100.0	7.00.			1.100		1.046.7	62.7	1.000067
0.00014		0.001			5.662		3.4.5	62.6	1.000067
0.00114	14.01	1000			7.867		0.467	62.4	1.000067
41.500.0	14.03	0.00			** 767		1.467	62.1	1.000000
0.000		0.00			200.0		0.467	61.9	1.000066
41500.0		1.64-			0.662		9.567	61.7	1.00000
41500.0	179.7	-59°-			293.6	0.075	2,50	4.10	1.000065
41700.0	176.4	-59.4			291.5		793.2	2.10	1.000001
41000.0		-59.6			290.3		293.0	60.7	1.000005
41.400.0	177.1	-59.8			289.1		292.0	60.5	1.000004
0.00077	175.4	-59-3			287.9		292. 92.50	. 03 . 03	#:000C-T
42200.0	174.5	-60.3			285.6		696.3	59.7	1.00004
42300.0	175.7	h • 09-			284.4		2,92.2	59.4	1.000003
42400.0		9.09-			283.3		0.567	59.1	1.00006.3
0.0002	171-2	1.09-			282.1		291.8	58.8	1.000063
4,700.0		1000			7.082		7.167	50.4	1.000063
0.000					# · 6/2		C-16.7	5A.1	7.0000€1
2.0062	10.30	-60.7			276.7	567.8	7.167	57.8	1.000052
5000.0	16/.9	9.04-			275.		1.1.7		200001.
43100.0	_	-60.A			2,270	700) () () () () () () () () () () () () ()	200	1300001
43200.0		160.8			272.7	-	4.05	6.00 9.00 9.00 9.00 9.00 9.00 9.00 9.00	1000001
43500.0		160.8			271.4		7	70.0	1.000001
43400.0		-60.8			270-1		\	55.7	0400001
43500.6		-60.B			260.0		0.0%	ייי מייי מייי	0000000
43600.0	163.9	-60.8			267.5	-	8.69	54.9	00000
43700.0	164.2	8.0%			260.2	-	9.697	54.5	1.000059
3603.9	101.4	-6.0.8			264.9	567.7	5.692	54.1	350000-1
								1	

STATION ALITION 15 DEC 62 ASCENSION NO.	7 0	3389-00 FERT MSL 6830 HRS NST 9		UPPER AIR DAT 3490020e19 WHITE SANDS TARIF 20	14 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1		9E ODE T 1 C 32 • 4 C 106 • 33	DETIC COUNDINATES 32-40043 LAT DEG 106-37033 FON HEG
				Cont'd) ;	
GECME THICAL	PRESSURE		REL. HUM.	DENSITY	Sretu or	AINU DATA	18	INVEX
MSL FEET	MILLIUARS	DEGREES CENTIGHADE		METER	NI401S	LEGREES (TH)	ANOTS	NEF HACTION
43900°C	100.1	6.09-		263.6	567.6	289.1	53.7	1.000059
0.000+	159.9	6.09-		262.4	567.6	6.882	53.3	1.000058
0000	154.1	6.09-		261.1	567.6	_	52.9	1.000058
44300.0	157.6	6.09-		254.5	267.66	768.7	52.1	1.00005
0.00000	150.8	-60.8		257.2	567.7	0.602	51.7	• •
44500.0	150.0	4.09-		255.5	264.2	287.7	51.3	•
44600.3	155.3	0.09-		53.	568.8	287.5	50.9	
44700.0	154.5	-59.6		252.1	569.3	287.2	50.6	•
0.008xx	153.8	-59.5		250.8	569.4	787.0	ċ	1.000056
0.00644	155.0	-59.6		249.0	569•3	7.082	6	1.000056
45000.0	152.3	-59.6		248.5		5.002	4.64	1.000055
0.00169	9-161	1.83-		47.	266.5	Z-992	49.0	1.000055
45200.0	150.8	7-88-1		246.2	269•1	780.0	48.6	1.000055
9.00004	1.001	159.8		245.1	969.0	285.7	48.3	1.000055
0.0000	7.7.7	0.09-		244.1	568.8	65.6	48.1	1.000054
45500.0	14d-6	-60.2		243.2	568.5	2,62,5	47.9	1.000054
45600.0	7010	160.7		242.3	568.2	782.4	47.7	1.000054
0.0000	140.5	0.00		7 046	6.700	C. 14.	0.5	
0.000	145.8	1 2 2 4		4000	9./00	1.02	* C	1.0000
400000	145.1	-61.0		23%	567.5	0.007	7.7	1.000053
46100.0	144.4	-60.8		236.9		9.487	9	• •
40200.0	143.7	-60.7		235.6		7.402	9	
40300.0	143.0	-60.6		234.3		4.48	46.4	1.000052
46400.0	142.3	-60.5		233.0		5.492	46.2	1.000052
46500.9	141.6	-60.3		231.6		7.797	45.9	1.000052
0.0004	7000	Z*09-		230.5	268.5	7.797	9*6#	1.0000.1
45.00.00	134.5	1.00		25%	9-995	107		1.000051
0.0000	C - 46.			224:0	9. 900	707	0	1.0000.1
47003.0	136.2	1.66-		221.4	0.690	704.0	- 3 - 3 - 3 - 3	1.00001
47100.0	137.5	-59.6		224.1	1,600	7.587	•	
47290.0	130.8	-59.6		223.2	564.3	7.487	43.8	• •
47509.9	150.2	-59.6		222.2	569.3	<84.1		1.000049
7400.	135.5	-59.6		21.	569.3	<84.1	43.3	
47500.0	13/1.7	-E9.7		220.1	5-699	7.64.7	•	1.000049
7000.	134.2	7.75·		219.0	2.695	2.462	ż	1.000049
700	133.6	7*65*		216.0	2•699	2.492	45.7	1.000049
4/8000.0	1 970 1	1.65-		210.9	5669	2.482	45.4	1.000048

STATEON ALECTION		17.5 I 30H Oliventary	7.3	,	UPPLR AIM DAT	Un TA		at one to	SEONETIC COMMUNICATES	
15 ULC. 02	3	U830 11RS MST	154		WHITE SANDS	ה ה ה		32.	32.40043 LAT DEG	
SCENSI	619	•			TABLE 20 Cont'd	<u> </u>		106.	106.37033 LON DEG	
GEOWE TRIC	PRESSURE	<u>Σ</u>	TEMPERATURE	REL.HUM.		SPLEU OF	#INU DAIA	1.4	INUEX	
ALTITUUL MSI EUT I	ATLE LAMB.	AIR	UE MPOINT	PERCENT	GM/CUBIC	ONUOS STONE	U14ECT104	SPLEU	O+ 0+ 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0-	
					; ;					
47900.0		-59.7			215.9	569.5	284.3	5	1.000048	
43000.0		-59.7			214.0	569.1	64.3	42.0	1.000048	
43100.0		-59.7			213.8	1.690	4.487	41.8	1.000048	
44230.0		-59.7			212.8		4.402	41.6	1.0000.1	
46300.0		159.8			211.8		# # # # # # # # # # # # # # # # # # #	⊸ .	1.000047	
48466.0	19821	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			210.6		C 4 4 5 7	7.1.7	7 -00004	
43000.0	127.9	-59.B			203.8	1.690	200	41.2	450001	
48700.0		-60.0			207.9	-	7.487	41.2	1.000040	
46600.0	120.6	-6.0.1			207.1		4.402	41.2	1.000046	
48900.0		-60.3			2002	50803	n: 187	~	1.000045	
49000.0	•	-60.5			205.4	568•1	794.4		1.000046	
49100.0	•	-60.7			204.6	567	2.44.3	41.2	1.000046	
49200.0	•	-60.8			203.7		€ + 42 ×	41.2	1.000045	
4 3300.0		6.09			202.9		5 · + 2 7		1.000045	
49500.0	122.4	-61.1			201.0	267.4	784.2	4 T	1.000043	
43000.0	•	-61.2			200-1		784.2	41.5	1.000045	
	121.2	-61.2			199.2		284.1		1.000044	
49800.0	•	-61.3			196.3		0.482	41.2	1.000044	
49900.0		-61.4			197.4	560.9	263∙8	41.2	1.000044	
200000	119.4	-61.4			196.5	566.9	283.7	41.2	1.000044	
50100.0	_	-61.5			195.6		263.6	41.1	1.00004	
50200.0	110.2	-61.6			194.7		263.5	41.1	1 • 000043	
20300.0	_	-61.7			193.8	260.6	283.4	41.1	1.000043	
20400.0	117.1	-61.7			192.9	566.5	∠63∙3	41.1	1 - 000043	
20500.0	110.5	-61.8			192.1	•	283.2	41.1	1 • 00004 3	
0.00000	0 · 0 · 1	-61.9			191.2		1.02	0.15	1 - 000043	
0.00/00	1100	-61.9			190.5		6.20 ²	•	1.000042	
0.00000	• •	0.29-			2.681		6.707	•	7.000042	
20,000.0	•	1.29-			180.0	2000	295.b	6.04	1 • 000042	
0.00014	1.	+-29 -			180.0	565.6	z82.7	40.8	1.000042	
21100.0		-62.8			187.4		45.0	40.7	1.000042	
51200·0	112.	-63.3			180.4	764.4	<85.5	40.7	1.000642	
51500.0	115.	-63.7			180.3	263.8	4.282	40.6	1.0000.1	
51400.0	-	-64.1			185.8	563.2	62.3	40.5	1.000041	
51500.0	110	9.49-			185.2		282.2	40.5	1.0000.1	
51000.0	25	165.0			184.7		707	3 f	1.000041	
0.00710	103.0	1000			7.50	561.5	0.70.7	7.03	1.000041	
200	•	C . C C			;		· • • > 7	>	7.0000.7	

STALLOR ALITION	•1	39.00 FEEF 115,	J	UPPER AIR UNT	Un IA		vEODETAL	COORDINATES
15 ULC. 62		0830 11Kg MS1		WHITE SANDS	. su		32.	UN43 LAT DE
ASCERISTOR NO.	019			Table 20			106.	106+37033 LON UEG
6EUNL 1R1C	PRESSURE	1Enrekkalure Aik Oswolni	KEL . HUM.	DENSITY GMYCURIC	SPEEU OF	WIND DATA	1.A SPEC.D	Invex
NSL FELI	6.1LL16AR5	UT GREES CENTIGRADE	· · · · · · · · · · · · · · · · · · ·	METER	K1101S	ULGKEES (TN)	N1015	RLF RACTION
51906.2	108.7	-6.6-3		183.1	560.3	<81.8 /81.7	40.2	1.000041
52100.0	107.6	-61.2		182.0		281.6	40.1	1.000041
5.200.3	107.1	-67.6		101.5		4.182	40.1	1.00040
52360.0	160.6	-68.0		181.0	558.0	281.3	40.0	1.000040
95400.0	100.0	-na.5		180.5		z,81.2	0.04	1.000040
952000	100.	-689		180.0		61.1	39.9	1.000040
5.00000	01. 01.	158.0		178.0	557.6	2.00° x	39.9	1.000040
52600.0	103.9	-67.1		175.8		7.097	39.8	1.000039
0.00625	103.4	-66.5		174.4	560•	9.08	39.7	1.000039
53000.0	102.9	-65.9		173.0		200.7	39.9	1.000039
55100.0	102.4	-65-3		171.7		9.09>	40.0	1.000038
0.00264	101.9	1.40-1		170.3	•	6.002	40.5	1.000038
55500.0	101	-64 · 1		164.0		رد 1 0	£0.4	1.000038
55400.0	6.000	-63.5 -73.5		16/01		1.102	3.03	1.000037
0.0000	0.00	-63.6 -63.6		165.0	90400	7.107 F. 18.	9	1.000037
53700.0	± • 6.6	-62.5		164.4		91.4	6.04	1.000037
53890.0	96.9	-62.5		163.0		<01.5	41.0	1.000056
53900.0	30.00	-62.5		162.8		20107	41. 41.	1.000036
04000.0	0.7.0	0 • 20 - C		161.0		107 107	7 - 7 - 3	1.000036
24210.0	0.16	-62.5		160.4	565.4	282.5	* * * * * * * * * * * * * * * * * * * *	1.000036
54300.0	90.5	-62.5		159.6		282.8	41.5	1.000036
0.00446	0•06	-62.5		158.8	-	63.2	41.6	1.000035
5.1500.0	95.6	-62.5		158.0	-	283.u	41.7	1.000035
54600.0	1.00	-62.5 		15/03		0.487	9.14	1.000035
0.000	C • # 6	# • C • C • I		155.5	9.000	7.457	7 7 7	1.00001
54900.0	7.56	1.53-1		154.7		85.1	42.1	1.000034
0.00000	95.5	-0.5.0		153.8	-	4.00	42.2	1.000034
0.00166	95.8	-61.8		153.0	•	£45.8	42.3	1.000034
55201.0	92.3	-61.7		152.1		, bb. 1	42.2	1.000034
0.005cc	6.16	-61.6		151.3	•	<80°3	45.0	1.000034
55403.4	h•16	-61.4		150.5		9.097	41.8	1.000034
0.00000	0.16	•61•3 • 61•3		149.6		V • 00 >	41.6	1.000033
0.0000	0.06	2.19_		9.951		74.107	•	1.00003
55700.0	4.4.7	6.09-		148.0	567.6	287.8	41.2	1.000033

oŁODETIC COD4(p114ATES 32•4∪843 LAT DEG 106•37033 LON (2EG	INUEX	ģ	KEFRACTION	1.000033	1.000032	1.000032	1.000032	1.000032	1.000032	1.000032	1.00001	1.000031	1.000031	1:0000:1	1.000031	1.000031	1.000030	1.000030	1.000130	0.0000.1	1.000030	1.000030	1.000029	1.000029	1.000029	620u0u-1	1.000024	1.000029	1.000028	1.000028	1.0000₹8	1.00002	1.000028	1	1.000023	1.000027	1.0000:7	1.000027
52. 106.	17.4	SPLEU	KNOTS	41.0	40.8	40.7	40.5	39.6	39.0	38.4	37.9	37.3	36.7	36.1	35.6	_	3.50	55.00 5.00 5.00 5.00 5.00 5.00 5.00 5.0	12.2	317	30.5	•	28.9	28.1	27.3	20°	\$	24.0	23.1	25.2	21.3	0	19.6	17.0	17.0	16.1	15.3	14.4 13.5
	WINU DATA	11 N C T 1014	"EGRLES(TN)	<88.1	4.60°	68.7	289.0	6.69.3	4.687	289.5	46.60	7.687	a.6a7	5 · 60 ×	0.067	2.067	2,062	7.07°	0.00	\	49167	291.7	292.0	6.262	3.567	0.000	8.66	695.9	0.467	7.467	294.3	オ・オケン	704.D	37	95.0	>.6.62	4.562	295.7
14 در در	SPEEU OF	Soure Design	KHOTS	567.6	_		567.5		567				567.5	96/95				567.5			-	_	-			567.4	767.4	-		-			567.3			195		567.3 567.5
UPPLR AIR CAT 34720020019 WHITE SAIDS TABLE 20 Cont'd		GM/CUBIC	ML TER	140.5	145.8	145.1	144.3	143.0	142.3	141.6	140.9	140.2	1.39.5	200 T	7.901	2.761	130.8	136.2	144.0	7.46.	133.0	132.9	132.3	131.6	131.0	130.4	124.1	120.5	127.9	127.2	120.6	120.0	125.4	104.3	123.0	123.0	122.4	121.0
5	REL.HUM.	PERCENT																																				
39 <i>6</i> 9- <i>0</i> 0 F _{E1} 1 .15, 0830 HR ₅ M51 9	N.	AIR DEW OIGT	S	-40.9	6.09-	. 6.09-	-600-9 -600-9	6.09-	6.09-	6.09-	6•09-	-61.0	-61.0	-61.0	0.14	f: 19-	-61.0	161.0	0.10	0.14	-61.0	-61.0	-61.0	-61.0	-61.0	0.17	161.0	-61.0	-61.0	-61.1	-61.1	-6,1.1	141.1	1010	-61.1	-61.1	-61-1	-61.1 -61.0
-	PRESSURL		HILLIBARS	2•68	80∙3	86.4	87.9 87.5	8/•1	40.7	86.2	n•cn	85.4			V • • • • • • • • • • • • • • • • • • •		0.00	62.9			61.3		•	80.5	C. 7.	# (70.07	_	71.8	_			/o•3 /o•3		70.07	•	•	74.1 75.3
STATION ALITIULE 15 DEC. OR ASCENSION HO. D	GEUILTHIC			0.00644	55000.0	50100	50200 50300	56400.0	50500·0	0•00იიი	0.00700	0.00000	0.00600	0.00075	0.101/0	0.00275	0.00076	0.00472	0.00.7	0.00774	57600.0	0.00€7€	58000.0	59100.0	58200.0	0.00000	0.00200	5996(0•1)	54700.0	53800°0	0.0068vG	6.00065	59100.0	0.00867	59407.3	5.3503.0	5-60069	59700.3 59809.3

578110: ALIIIUDL 15 DLC: 82 ASCENSION NO: 0	ال 13)	939-00 Ft. L. AS, 0830 HRS MST	-	UPPER ALK UNI 3490020019 "HITE SANUS TABLE 20 CONT'd	4 4 7 7		9E UDE TIC 32-40 106-33	DETTL COURDINATES 32-40043 LAT DEG 106-37033 LOH DEG
GEUNETALL ALTITUL MSL FELT	PRESSURL MILLIDARS	TEMPERATURE AIR DEW OINT DEGREES CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPLEU UF SUUND KNOTS	AIND DAT	1A SPEED KNOTS	INJEX OF HEFFACTION
0.00660	75.4	-60.8		120.4	267.7	7.467	12.7	1.000027
0.00000	73.1	9.09-		119.0		693.0	11.9	1.000027
00100		-60.4		119.1	5.895	291.0	11.0	1.000027
69200.3		-60.3		110.4		0.067	10.2	1.000020
on200•0		-60.1		-		1.88.	3.0	1.000025
0.00000		107.0		11/11	5-895	8.507	2.0	1.000025
0.00000	71.0	-59.6		115.8		79.6	7.0	1.000020
60700		-59.4		115.1	-	7.5.7	6.3	1.000026
- 0800		-54.2		114.5	569.8	510.6	5.6	1.000025
0.00000	6.8.0	-59.1		_	570.0	0.402	2.0	1.000025
61000.3	0.69	-59.2		113.3	569.3	255.B	3.3	1.000025
¢1100•û	69.3	-53.2		112.6	569.8	L.64.7	4.7	1.000025
61200.0	6.00	-59.3		112.3	569.1	3.557	5.0	1.000025
0.00610	9.89	65		111.6	269.6	2.39.7	5.4	1.000025
01400.0		# 6S-		111.3	-	432.6	5.7	1.000025
61500.0	6.79	159.5		110.6	•	234.0	7.9	1.000025
0.00010		534.3		110.5		6.027	9.0	1.000025
0.00710		-54.6		109.8		7.97	•	1.000024
0.00814		159.6		5.001		243.8	2°2	1.00004
0.0000	0000	7.00°		108-8		1.177	· ·	1:0000:1
050000		159.B		107.8	1.694	10.1	0 4	# 20000 · I
62200.0		-59.9		107.3	-	416.6	7.6	1.000024
62300.0	₽•C9	-59.9		100.8		216.2	9.6	1.000024
0-60479	65.1	0.09-		100.3	B-Bac	6-912	10.2	1.000024
62500.0		6.59		105.7		<17.5	10.7	1.000024
0.00020		1-29-1		105.2		18.7	11.1	1.000023
0-00/29	1 • 1 • 3	155.00		104.6		218.7	11.5	20000
0.00000		0.60		0.40		2.617	6.11	1.000053
0.90620		3.7. C		103.5		9.617	12.3	1.000023
0.0000	2.63	259.6		104.9		7.027	12.1	1.000023
0.5200.0	95.4	1.24.0		101.4	7.7.1	6.02	13.5	1.000053
65300.0	64.3	-58.9		101.5		2<1.3	13.9	1.000023
6.3400.0	64.0	-58.7		100.7		421.6	7.71	1.000042
0.5500.0		-58.6		100.2	-	7550	14.8	1.000022
63000-0		-58.5		94.6		2<1.7	14.5	1.000022
•	61.1	-58-4		1.66	6.076	4-12-2	14.1	1.000022
C3807.6	\$1.00	-58.3		9006		221.1	13.8	1.000022

DETIL COOKOTHATES 32.40043 LAT DEG 106.57033 LON DEG	INUEX	ż	KEFRACT10N	1.000022	1.000022	-	_	-	7	-	1.000021	_	_		1.000021	-	_	-	-	-	-	-	-	-	~	-	٦,	6100001	٠.	100001	1.00001	-	1.00001	1.000019	1.000019	-	1.000018	1.000018	1.00001	_	1.000018	1.000018
32.40 32.40	ATA	SPEED	KNOTS	13.5	13.2	12.9	12.6	12.3	11.9	11.6	11.3	11.0	10.6	10.2	9.6	6.9	8.9	8.5	9.1	7.8	7.4	7.0	9.9	6.3	ۥ3 ••3	***	0.0	• •	•		7.6	7.9	8.2	8.5	8.9	0.9	8.8	8.8	8.8		٠	8.8
	WINU DATA	UINECTION	ILCHEES (TN)	520.8	250.5	250.5	219.8	219.5	219.1	218.7	c18.3	217.9	218·7	219.6	550.6	221.7	₹55.8	754.1	5.52.2	227.1	228.8	< 30.7	232.8	235.2	6.652	0.44%	7.6.7	2000	3.14	2.44	4000 4000 4000 4000	c11.7	9.4.2	6,11,3	7.617	6.085	787	z.83.2	64.3	205.5 2.5	7.987	8.182
141A 15 05	SPLEU OF	QNDOS	KI401S	571.3	573.4	571.6	9774		571.8			571.8						571.B						9.175				5/1.8			574.0								573.5	573.7	•	574.1
UPPLE AIR UAT 3490020019 WHITE SANUS TABLE 20 CONT'd		SM/CUBIC	METER	98.0	97.5	0.70	90.5	0.06	95.5	95.1	94.0	94.1	93.7	93.2	95.8	4.26	91.9	91.5	91.0	90.6	2.06	89.7	89.3	88.9	86.5	98.0	9.19	7:10	9 9 9		85.0	95.0	84.0	84.1	A3.7	83.2	82.7	A4.3	81.9	=	-	80.5
J	REL.HUM.	PERCENT																																								
3989•00 FE ₁ 1 _{E1} SL 0830 HRS MST 9	TEMPERATURE		0														_																			_			_	•		
89•00 FE ₁ 1 H	1E	ΥIΥ	DEGHEES	-58.1	-58.0	-57.9	-57.8	-57.7	-57.7	-57.7	-57.7	-57.1	-57.7	-57.7	-57.7	-57.7	-57.7	-57.7	-57.7	-57.7	-57.7	-57.7	-57.7	-57.7	-57.7	-57.7		1979	L 2 2 2		-57.6	-57.4	-57.3	-57.2	-57.0	-56.9	-50.7	-56.6	-56.4	-56.3	-56.2	-50.0
UUE U L	PRESSURE		MILLIUARS	00.5	60.2	59.9				50.8		28.5				57.1		_	_	_		-		55.0				55.5		9 4	52.9	9.79		52.1					•	200.	•	2005
STATION ALIITUDE 15 DEC+ 62 ASCENSION NO+ 0	GEOHETHIC	AL I TUUE	MSi FEE!	0.3900.0	0.000.00	04100.0	0.00240	04300.0	0.4400.0	04500.0	0.0000	0+100.0	0.4800.0	0.00649	65000.0	0.00100	05200.0	0.300.0	0.00450	0.5500.0	65e00•0	0.00700	0.00850	0.00659	6600000	60100.0	0.00200	0.00500	0.0000	0.000	0.00000	0.00800	0.00000	0.00070	67100.0	0.00.770	07300.0	0.00#Za	67500.0	0.000.0	0.7700.0	67800.0

STATION ALTITUDE 15 DEC. 82 ASCLUSION 40. 6		3989-88 FELT MS1 0830 HRS MST 9	2	UPPLR AIN DAT 3490020619 WHITE SANDS TABLE 20 CONT'd	4 1 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		ve.ude71c 32-4 106-3	ETIL COUMDINATES 32.40043 LAT DEG 06.37033 LON DEG
GEUNETRIC ALITUDE MSL FELT	PRESSURL MILLIBAKS	TEMPERAT PE AIR DEMPOINT DEGREES CENTIGRADE	KEL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEEU OF SUUND KNO15	WIND DAT	TA SPEED NNOTS	INDEX OF HEFRACTION
0.00079	50.0	-55.9		80.1	574.2	0.882	80 ec	1.000018
06100.F	6.64	-56.1		79.4		.91.3	8.8	1.000018
04200.0	•	-56.2		79.1		292.5	9·6	.00001
0.00000	•	2001		7.87	3.	7.662	•	10000
0.00400		# 00 m		7 · 1 · 1		24.6	- C	•
J. HUCOO	•	**************************************		78.0		4.70	, r	10000
0.0000	(o o o o	_56.6		77.4		2.66\ 2.66\	0.0	1.00001
0.00880 0.00	•	-56.7		77.0	573.1	301.2	9.4	10000
0.00680	47.6	-56.8		76.7		303.4	•	1.000017
0.00069	•	-56.9		76.4		306.1	5.5	.00001
69100.0	2.7.4	157.0		70.0		309.2	•	1.000017
5.00260	•	-5/•1		75.7		9.510	9.4	1.000017
69300.0	40.4	-57.2		75.4		517.3	~ ·	1.000017
0.00400	•	79.4GL		0.0		766) F	10000
0.00000		10/03		7.4.7	5755	35.91	0 e	1.00001
69709.0	± 0.0 ±	-57		74.0		538.9		10000
•	9.44	#÷75-		73.7		8.04S	3.0	1.000016
0.00669	3 1 2 1 2 1	157.4		73.5	572.2	346.5	n v	1.00001
70100.0	45.0	1 100		72.6		545.7	. F	1.000016
70200.0	##·#	-57.4		72.3		147.1	3.9	.00001
70300.0	44.5	-57.4		71.9		346.5	4.0	1.000016
70400.0	3	-57.4		71.6		240.7	4.1	1.000016
70500.0	3	-57.4		71.2		350.9	4.2	1.000016
0.00007	2.00 to 10.00 to 10.0	127.44 11.11		6.0 <u>7</u>		352.0	# ! # :	0000
70,000	7 -	# • FOI		9.00		1.000		.00001
7.0000		101		V 0	2.77	4.4.4.	0 1	70000
/1000.0	40.0	1 C C C C C C C C C C C C C C C C C C C		69.4		1990		1.000015
71100.0	42.9	-57.4		69.5		1.3	3	.0000
71200.0		-57.4		68.5		20.		10000
71300.6	42.5	-57.4		68.6		8.5	4.1	1.000015
71400.0	42.3	-57.4		5.89		12.5	¢.0	1.000015
71560.6	1.24	-127-4		6.79		16.7	•	10000
-	•	# · / Si		9./9	<u>ر</u>)·17	•	10000
7,600.0	41.5	127.4		0.70 0.00	5/2.2	30.2	J. 7.	1.000015
				,			•	

STATION ALITIUDE 35 15 DEC - 62 65CFPS1-15 NO. 619	3989.00 F; t T MSL 0830 HRS MST	_	 1 \(\dots \)	A L 4.1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.		0EODET1C 32-40	DETIL CUDRDINATES 32-40043 LAT DEC
			TABLE 20 Cont'd				יייי ביייי
PRESSURE	E TEMPERATURE	REL.HUM.	DENSITY	SPEED OF	WINC DATA	118	INUEX
HILLIUARS	DEGREES (METER	NOTS	LEGREES (TN)	KNOTS	HEF HACT 10%
41.3	-57.4		9.09		34.0	3.7	1.000015
41.1	-57.4		66.3	572	39.6	3.7	1.000015
40.9			0.09		2.15	3.8	1.000015
40.7			65.7		6.84	3.8	1.000015
40.5			65.4	572.2	55.3	0.4	1.000015
40.3	-57.4		65.0		01.0	4.3	1.000014
0			64.7		0.09	4.6	1.000014
36.0			4.49		70.5	4.9	1.000014
39.7			64.1		74.3	5.2	1.000014
34.5	-57.4		63.8		7.77	5.6	1.000014
34.5			63.5		2.08	5.9	
39.1			63.2		85.3	6.3	1.000014
39.0			65.9		85.7	6.7	1.000014
30.8	\$ - Pul		62.6		67.7	7.2	1.000014
20.0			62.3		69.5	7.6	
36.4	5.7.e		05.0		1.16	0.8	1.000014
7.00	**************************************		7.10	572.2	***	•	3100001
			7.70		60.00	•	*T0000 .
37.7			4.09		5.06	0 0	#10000°1
7.5			4				710000
37.3	157.4		909	572.5	2.5	, 6 , 6	1.000013
37.1			0.09		43.3	7.6	1.000013
37.0			29.7		93.4	6.6	1.000013
30.0			9.65		9.56	10.1	
2			1.66	572.2	7.56	10.3	1.000013
9			20.00		500	10.0	1.000013
4			ָר מי מי		3 3	0.0	10000
	**************************************		0.00) ·	10000
	**************************************		2000		7 .	7117	0000
,	**/61		7.10	ົ	1 • • •	6.11	1.000013
32.0	•		57.4	572.2	95.2	11.9	1.000013
35.4			57.5		45.7	12.2	1.000013
32.5			50.9		96.1	12.6	1.000013
35.1			50.0		46.5	13.0	1.000013
ひ・サワ			50.3		96.9	13.3	1.000013
34.7			50.0		2.7.	13.7	1.000012
3.4.0	•		55.1		7.16	14.0	1.000012
3.40	-56.8		55.4		0.86	14.4	1.00001
34.2	-56.7		55.1		98.3	14.8	1.000012

DETIL CUORUTNATES 32.40J43 LAT DEG 106.57033 LON DEG	INDEX OF REFRACTION		1.00001	1.00001	1.00001	-	1.00001		10000	10000	2100001		1.000012	1.000012	1.000011	1.000011	1.000011	1.000011		1.000011	1.000011	10000		.00001	.00001		1.000011	1.00001	-	1.00001	70000 · T	1.000010	10000	1.000010	1.00001		1.000010	1.000010	1.000010	1.00001	1.00001
6E0DETIL 32.40 106.5	NTA SPEEU KNOTS		7 • 6 7	25.5	15.8	16.0	16.0	2.01	7.07	1.01	16.1	16.0	201	7.01	16.2	16.2	16.2	16.3	16.3	16.3	16.4	16.5	16.5	16.6	16.7	16.7	16.8	16.8	16.9	17.0		17.1		7.0	C*/ T	17.6	17.7	6 • / 1	0.81	1.91	18.3
	WIND DATA	9	9 9	D 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2000	7.66	1.66	0 0 0 0 0	4.30	7.47	0.86 C.86	3.46	E 400		1.96	0.86	6.76	20.70	97.7	C. / C	96.50 96.50	96.1	95.7	95.3	95.0	9. 16	2	8°55	93.5	200	7 60	20.0	6.4.2	3 4 5	2 6 2	7.56	3 • • • • • • • • • • • • • • • • • • •			* • • • • • • • • • • • • • • • • • • •	42.1
AT 40.	SPEEJ OF SOUND KINOTS	47.54				9.575	7.4/0	2.57.0			27.0	1774	7.75.5	0.00	573.5	7.576	575.9	570.0	576.2	576.4	570.6 570.8	570.9	577.1	577.3	577.5	577.0	577.8	578.0	570.2	578.2	2010	2,074	70.0	2.0.0	0.00	C•9/C	578.3		0.80	2,6.3	570.3
UPPLR AIK UNI 3440020619 NHITE SANUS TABLE 20 CONT'd	DENSITY GM/CUBIC METER	T T) (n :	7.50	V. C.		1	4	, . , . , .	52.2	51.9	51.7		#•1C	7076	9.00	9000	50.5	0.00	2.0 2.0 2.0	7.64	0.64	48.7	40.5	48.2	6.74	47.7	# · · · · · · · · · · · · · · · · · · ·	2,5		3	4,44		7 0	, n	- c - c - c - c - c - c - c - c - c - c		200		D
-	REL.HUM. PERCENT																																								
.T. MST.	TED ERATURE AIR DEWPOINT GRLES CENTIGRADE			-																																					
პყძ9-00 F _{FE} T _M S. 0სპი HRS MST 9	TEIN AIR DEGRLES	-50.6	11.47	- 300-		1.00	6.53	-55.7	-55.6	-55.5	-55.3	-55.2	-55.1	- F. U. O	6.42	-54-7	2 - AC			7.40	124.0	-53.8	-53.7	-53.6	4.53.4		200-	0.00	0.00	6.25	-52.0	52.0	-52.B	1200	40.04	15.20	8.75	F. 2 . B	4.2.1	9.5.3	0.70
IITUDE NO. 61	PRESSURE MILLIBAKS	34.1	200	A	4.4	3.5.6	3.5.3	33.1	33.0	34.8	32.7	32.5	32.3	42.2	35.05			•	21.5		31.1	•	30.9	•		700				7.67	29.0			29.5			20.8				•
STATION ALITIUDE 15 DEC. 82 ASCEMSION NO. 6	GEUMETHIC ALITUUL NSL FELI	75900.0	Zanna a	76100.0	7,200.0	70303.0	70407	76500.0	70000.0	76700.0	70000	76900.0	77000.0	77100.0	7200.0	77300.0	77400-0	77500	77500.0	0.007.27	7,660.0	0.0067	78000.0	0.00197	7.9200.0	74500.0	0.0000	3.0000	74700	78800.0	2.00697	790061	79100.0	19200.0	79.360.6	70000	7.0056	19600467	79700.0	74500	•

GEODETIC COORDINATES 32.40043 LAT DEG 106.37033 LON DEG	INUEX	REFRACTION	1.000010	1.000010	1.000010	1.000010	0100001		1.000010	1.000010	1.000010	1.000009	1.000004	400000 T	\$00000 T	1.000009	1.000009	1.00000	1.000000	4 : 100000	1.000004	1.000009		1.000009	1.000009	1.000004		600000.	7000001	1.00000	1.000049	1.000008	1.000008	1.000008	1.0000us	1.000008	1.000008	#0000u-1
0E ODET10	TA	NNOTS	18.4	18.5	18.7	10.0 0.0	10.1	19.3	19.5	19.6	19.8	20.0	20.5	20.00	9.00	21.0	21.5	21.4	2.12	K 0 .	30°C	20.0	19.7	19.4	19.1	18.8	38.5	201	17.7	17.4	17.3	17.3	17.2	17.2	17.2	17.1	17.1	7.0
	WIND DATA	('EGKEES (TN)	95.4	95.6	95.6	96.1	47.4	98.1	6°86	99.66	100°3	101.0	101.6	20201	103.6	104.2	104.8	# · SO T	1.00		103.6	102.3	101.6	100.6	100.0	79.5	24.5	C 1 2 3	200	7.46	0.47	34.0	3.40	す・オケ	3.30	7.3	2.48	7.4.
A 1 2 2	SPLEU OF	KNOTS		578.4	578.4	570.4	3,0,0	570.4	578.5	578.5	578.5	578.5	578.5	5/8.5	578.5	570.0	570.6	578.6	578.6	9 0 1	578.6	578.7			578.7	578.7	578.8	8.070	274.0	570.8	570.8	579.1	579.3	574.5	579.6	0.085	2.000	24042
UPPER AIR UAT 34°0020619 WHITE SAHUS TABLE 20 CONT'd	DENSITY S	METER	44.6	†*	44.2	0 1	2 C S	4.54	43.1	42.9	42.7	C - 7 -	r.		41.7	41.5	3	41.2) X		9 4 0 5 5 3	40.5	0.04	34.6	39.6	7.6E	39.3	7 * 60	7.55	30.5	36.3	30.1	37.9	37.7	37.5	37.5	36.0	7000
5	REL. HUM.																																					
r i MSL MST	TEMPERATURE R DEWPOINT	CELIT I GRADE		-																																		
3989.CO FE: 1 MSL 0830 HRS MST 9	TEM.	DEGREES	-52.8	-52.7	-52.7	-52.7	1.7.7	-52.7	-4.2.7	-5.2.7	-52.7	-52.6	-52.6	52.6	17.56	-52.6	-52.6	-52.6	152.5	, ,	-52.5	-52.5	-52.5	-55.5	-52.5	-52.5	152.5	7.70	150.4	-5.2	-52.4	-52.2	-52.0	-51.9	-51.7	-51.0	1010	Y.TC
-	PRESSURE	MILLIBARS	20.5			27.7	51.5	27.4	27.3	27.2	27.1	6.07 :	20.02	907					25.8		7.00 7.00 0.00	25.5	25.3	25.2	25.1	0.55 5.50 5.50 5.50 5.50 5.50 5.50 5.50	0 - to 0	9-17	10°	h • h?	24.3	24.5	24.1	Z4.0	23.9	7.00	2000	7 . 7 %
STATION ALIITUDE 15 DEC. 52 ASCENSION NO. 0	GEOMETRIC ALTITUDE	MSL FLLI	79900.0	900000	80100.C	00200	0.00000	0.00500	0.00000	20700.0	\$0800°	0.0000	0.00019	81200.0	81300.0	91400.0	61500.0	61600.0	01700.0		62600-0	U2100.0	82200.0	u2300.0	02400.3	62500.0	9 - 002 - 11	3.00.70	0.00578	030000	63100.0	83200.0	83300°C	0.2402	83500.0	0.0000	0.00700	******

LTIC COUNDINATES 32.40043 LAT DEG U6.37033 LON DEG	INUEX OF NEFRACTION	.000008	000000	00000	800000	.00000				800000	900000	800000	• 0000us	900000	.0000c	70000	1.0000	.00000	200000	,00000·	00000	.00000	00000	.00000		20000	00000	10000	70000 ·	20000	00000	00000	00000	00000	1.00000	.00000
GEODLTIC COUNDINATE 32.40043 LAT DE 106.37033 LON DE	INUEX OF HEFRACT	-					-	-					÷		÷.	-	-	-	: .	-	-	-	-	-	-	•	÷.		-	-	-	-	-	-	:	~
52. 32. 106.	TA SPEEU KNOTS	17.0	16.9	16.8	16.8	16.8	16.7	16.4	16.2	16.0	15.8	15.5	15.3	15.1	D 4	7 7 7	14.2	14.0	13.7	7 =	13.1	12.6	12.2	11.8	11.4	6.0	0		0	6.0	8.0	9.1	7.7	7.3	7.0	9.9
	WIND DATA	94.2	94.1	0.96	93.9	9.50	95.6	94.2	9.46	0.56	95.5	95.9	7.96	0 0 0 0	20.00	7.86	0.66	a•66	10001	300	102.0	102.6	103.5	104.4	105.3	106.3	*****	9-001	7.5	112.7	114.3	116.1	118.1	1<0.3	142.7	153.4
A1 4.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	SUUND NINOTS	580.7	580.9	1,87			202.1	587.6	584.8	583.1	583•3	583.5	563.6		364.2		584.9	585.1	585.4	200	580.1	580+3	580.5	580·H	267.0	587.2	187.5	2000	1800	1000	588.6	580.7	586.7	584.8	9•08¢	56G•B
UPPER AIR UNI 3490020619 LHITE SANDS TABLE 20 CONT'd		30.7	36.5	4.00	35.4	100 E	30.00	35.2	35.0	34.6	34.6	す。すり	34.6	0.46	0.00 0.54	1 m	35.5	35.1	33.0	426	32.4	32.3	32.1	31.9	31.7	31.6	3 - TO F	7 - 12		30.7	30.6	30.4	30.3	30.1	30.0	V.V.
	REL HUM. PERCENT																																			
El MSL MST	TERLARIURE AIR DEWPOINT GREES CELTIGRADE		-																																	
939.00 FEET MSL 0830 MRS MST	TEPA AIR DEGRÉES	-51.0	-50.8 -50.6	-50.4	-50.5	-50-	T-64-	-49.5	-49.3	2.64-	0.65-	8 9 9	0.03		1 40	6-27-	-47.7	-47.5	10/01	-47.0	-46.8	-46.7	-46.5	-46.3	1.95	P+0.0	1 1 2 2	4 4 4	145.2	-45.0	6.44-	9.44-	8.11-	1.55-	-44.7	• • • • •
. ÷	PRESSURE MILLIUARS	23.4	25.3 23.2	<3.1	23.0	24.9	22.7	22.6	24.5	22.4	22.3	22.2	22.1	20.17	21.8	21.7	21.6	21.5	Z1.4	21.2	21-1	21.0	20.9	20.8	707	9.00	20.4	20.5		20.1	20.0	19.9	19.8	8.61		0.61
STATIC. ALITIULE 15 ULC. OZ ASCEHSIJH NO. D	GEUMETHIC ALITIUNE MSL FELI	63900.0	34050.C			•	0.10940	64700.0	_	J.00640	0.000ca	0.00159	0.00200	3.00000	855000	0-00909	0.00758	85800.0	0.00000 B6000.0	0.00000	0.00200	80300°O	80400.0	0.0000	0.0099	00/00	0.0000	87000-0			67300.0	67400.0	47500.0	•		0.00000

AHITE SANUS TABLE 20 CONT'G CONT'G CONT'G
KEL, MUM, DENSIII PERCENT GM/CUBIC METER
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ETIL COUMDINATES 32.40043 LAT DEG 06.37033 LON DEG	INUEX OF	REFRACTION	1.000006	1.000006	1.000005	1.000005	1.000005	1.000005		1.000005	1.000005	1.000005	1.000005	1.000005	1.000005	1.000005			1.00000	1.000005			1.000005	1.000005	200005	1.000005	1.000005	1.000005	1.000005	1.000005	1.000005	1.000005	1.000005	C00000.	1.000005
9EODLT1C 32.40 106.37	.TA SPEEU		11.4	11.9	200	12.7	12.9	12.7	10.5	3.6	3.6	7.3	4.9	ស ស !	7 .	(3.E	ю (0 V	5.7	9.9	7.5	8.0	8	0.0 DR	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5) ·	15.0
	WIND DATA	HEGREES (TN)	6000	50 50 50 50	600	60.1	D: 00	900	2.40	1.99	70.0	74.1	79.5	90.7	9.96	109.6	7.02	D. C. J.	172.0	161.3	188.1	192.9	7.76	195.7	7000	198.9	199.8	9. 007	201.3	,02.0	202.6	203.1	9.507	7.407	0.507
14 V V V V V V V V V V V V V V V V V V V	SPEED OF SOUND	KNOTS	580.7 580.6			2900			1800 1800 1800		585 • 8	565.7	585.6						260.00 20.00 20.00						1000 1000				-	-					584.2 584.3
UPPER AIR DAT 3490020619 WHITE SANDS (TABLE 20 CONT'd	ر ح	METER	25.0	24.8	9. ±0.	24.3	24.2	24.1	23.9	23.8	23.7	23.6	23.5	25.4	23.3	23.2	23.1	23.0	2000	22.7	22.6	22.5	24.3	25.2		21.9	21.8	21.7	51.6	21.5	21.4	21.2	21.12	0.12	20.6
5 -	REL. HUM.																																		
989-60 F.FT F.SL 0830 HRS RST	TEMPERATURE AIK DEWPOINT	S CENTIGRADE	146.3		9-94-	1,00.7	-46.8	0.011	146.9	-47.0	-47.1	-47.1	-47.2	-47.2	-47.3	5-7-1-	h-/h-	-1.7-5	14.4	-47.5	-47.0	6.94-	-46.8	7-99-	0 · 0 · 1	-46.3	-46.2	-40.1	-45.9	-45.8	-45.7	-15.6	្រ. មានក្រុ	5,55	-45.2 -45.1
ى 19	PRESSURE	MILLIBARS (16.3	1001		15.E	15.0		15.5	15.5	15.4	•	•	•	T • 5	•	15.0	14.9	7		14.7	;	÷	;	7 ° C		•	14.1	•	•	•	13.9	٠,	•	13.7 13.6
STATION AL11TUNE 15 DEC. u2 ASCENSION NO. D	GEUMETRIC ALIITUDE		91900.0 92000.0	92100.0	92300.0	92500.C	7260n.c	0.00724	92900.0	93000.0	93100.0	93200.0	4330n.0	93400.0	93500.0	93c00.0	9370n.0	93600.0	9.00000	24100.0	94200.0	94300.0	3.00446	245011.C	74C00.00	34800.6	3.90646	95000.0	95100.6	95200.0	95300.0	95400.0	95500.0	0.00956	95700.0 95000.0

STATION ALFITUDE 3919.00 FEFT MSE 15 DEC. 02 ASCENSION NO. 019 GEUNETRIC PRESSURE TEMFERATU
AIR DEWFOINT MILLIBAKS DEGREES CENTIGRADE
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DETIC COORDINATES 32-40043 LAT PEG 106-57033 LON PEG	INDEX OF HEFRACTION	1.000004		1.000004	1.000004	1.000004		1000004	•				1.000004				1.000004	1.000004	1.000004	1.000003					•	•			1.00000			1.000003	1.000003	1.00000.1	1.000003	1.000003	1.000013	1.000003	1.000003
vEODETIC 32.4(106.5)	1A SPEED KNOTS	34.1	34.2	34.0	34.45	34.5	34.6	7. a.	· ·	35.0	35.1		35.6	35.7	35.8	35.6	35.4	35.2	34.9	34.7	34.5	U+.U	34.0	33.8	33.6	4.00	200	7.7.	30.0	32.0	32.3	32.1	31.8	711	31.8	31.8	31.9	32.0	•
	WIND DATA	278.1	4.87≥	279.5	7,60.5	580.9	281.0	K 62.3		7.62.	1. 10.7	1 X X X X X X X X X X X X X X X X X X X	2 G G G	.67.1	7.87.7	287.5	4.287	67.3	287.1	287.0	280°B	7.082	586.5	1.00%	7.927	1.00%	6.007	0.00	0 7	000	5.50×	7.02	5 · + 2 ×	200	202.1	0.183	279.8	Z-14.7	
A1 2 7	SPEEU OF SOUND KNOTS	593.8	593.7	593.7	593.7	593.6	593.6	593.5	0.000			1993		59.4	0000	593.2	593.2	593.1	593.1	593.0	593.0	292•0	592.9	6.260	592.9	592.8	592.8	1.260	7.760	292.	592.6	294.6	592.5	0.90 0.00 0.00 0.00	594.4	4.769	592.3	59203	596.3
UPPER AIR LAT 3490020619 WHITE SANDS TABLE 20 CONT'd	DENSITY GM/CUBIC METER	17.0	16.9	10.9	16.8	16.7	16.6	10.	0 .	10.4	10.4	16.3	16.1	16.1	16.0	15.9	15.9	15.8	15.7	15.7	15.6	15.5	15.5	15.4	15.3	15.3	7.61	10.	1.01	0.01	か・ サロ	Ø•≠I	14.8	Dr. 7	14.6	14.0	24.5	14.4	•
J	REL.HUM. PERCENT																																						
999•00 FCFT MSL 6830 JRS MST	TEMPERAT, RE AIK DEGREES CENTIGRADE	6.04-	6.04-	. 6.04-	6.04-	-41.0	-41.0	0-1-0	4 0	T•Th-	-41-1	121.00	-41.2	-41.2	N. 131	-41.3	-41.3	-41.4	th - 1 th -	-41.4	-41.5	-41.5	-41.5	-41.50 	9-11-0	911:	O•T#1	T T	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	~ • T • ·	14I.	D . I .	8-14-	20. 	-41.9	-41.9	-42.0	0.71-	0.54
JJE 3	PKESSURE AILLIUAKS	11.3	11.3	11.2	11.2	11.1	11.1	011		5•0 1	5.01	2 x x	10.0	10.7	10.7	10.6	10.6	10.5	10.5	10.4	10.4	10.5	10.3	2.01	701	7.01	70.7	7.07	0 0) (ۍ : ک		æ :	x ==	4.7	4.7	7.6	9.6	٠ <u>٠</u>
STATION ALTITUDE 15 DEC. 22 ASCENSION MO. 0	GE UNE THE AL LITUDE PSC. FCE I	J*30666	1000001	100100.0	1002001	100300.0	100400.0	100500	0.00000	3.007.001	100600	00000	101100.0	101/00.0	101300.0	101400.0	101500.0	101600.0	101700.0	101600.0	101900.0	102000.0	102100.0	10.200.0	102300.0	0.004501	0.00501	0.00001	0.007.01	3.000201	102900	103000	103100.0	102200	103400.0	100500	1000001	10.700.0	105001

A LES OEG DEG		710	003	003	003	003	003	500	500	500	500	500	500	003	003	003	500	003	003	003	500	003	500	200	500	003	003	003	003	500	500	003	003	003	200	500	00 S	603	003 003
VEOUETIL COOMITINALES 32.40043 LAT UEG 106.37033 LON DEG	INJEX	REFRACTION	1.000003	1.000003	1.000003	1.000003	1.000003	1.000003		5000n•1	1.00000	1.000003	1.000003	1.000003	1.000003	1.000003	1.000003	1.000003	1.000003	1.000003	1.000003	1.000003	1.00000.1	1.00003	1.000003	1.000003	1.000003	1.000003	1.000	50000-1	1.000003		1.000003	1.000003	1.000003	1.000003	1.000013	1.000003	1.000003
0E0DET10 32.4 106.3	1A SPEEU	KNOTS	32.1	32.3	32.4	32.5	52.7	32.8	0.00	2.00	3.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00		34.0																										
	WIND DATA	I'EGKEES (TN)	4.927	275.3	274.2	273.1	0.27	6.077	1 · H · Y	2002	,644,	765.7	264.7																										
ATA' V	SPLFLU OF SOUND	KNOTS	592.2	592.2	592.1	1.265	592.1	592.0	0.750	6.760	60160	4.104	9•T69	591.R	2.165	291.7	9.169	591.0	291.6	911.5	591.5	b•16G	591.4	1000	591.3	2-169	2.169	201°S	19165	7.160	991.0	0.160	591.0	6+065	6.069	8.060	H•060	9.060	590•7 590•7
UPPER AIR DATA 3490020619 WHITE SAGUS TABLE 20 Cont'd	Z O	METER	14.3	14.2	14.2	14.1	7 • † ;	0.4.0	7.4.	* · · ·	10.0		13.0	13.6	13.5	13.5	13.4	13.4	13.3	13.2	13.2	1.51	13.1	2.5.0	12.9	12.8	12.8	75.7	12.	0 .	9.71	C•21	14.5	12.4	2. S.	14.5	12.2	7.71	12.1
_	REL HUM. PERCENT																																						
1 HSL MST	TERREMATURE R DEWPOINT	CENT16RADE		-																																			
39x9+80 FELT NSL 683n HRS MST 9	TENII A I R	DEGREES	-42.1	-42.1	-42.1	-42.5	2.21-	142.2	2024	7 . 4	C = C = T	1000	142.4	-45·4	-42.5	-42.5	-42.5	-45.6	-42.6	-45.6	142.6	140.1	142.7	-42.8	-42.8	-42.8	-42.9	6.24	6.24				143.0	-45.1	1.6.4-	7 · · · · ·	7.04	2.04	-43.3
	PRESSURE	MILL. LUMRS	9.5	7.6	** 5	ক ! ক	٠ <u>٠</u>	ر د د	2.0	2.0	1 - 0	6.5	0.7	0.7	0.6	6•9	6•8	₽•8	ε· · ·	ສ. ສ	, op 1		2 4 0 6	3		S•5	ສ :	† 5 5 7	5	3) t	•	2.0	4.2	2 -	1.0	- 1 - 1		. c
STATION ALITIONE 15 DEC: 12 ASCEMSION NO: 0	GEONIETHIC ALIITUDE		103900.0	104000.0	•	104200.0	•	104400.0	•	100,000	104600	104900.0	105000.0	105100.0	105200.0	105300.0	105400.0	105509.0	105.000.0	105709.0	102400-6	00600		105200-0	100300.0	100400	100500.0	1000000	100,000	10,000	10,000.0	102100	0.001/01	107200.0	10/300.0	0.00.401	0.7.00.7	10070	107600.0

51Af104 AL11TUDE 15 DEC. 82 ASCENSION 40. 01	. HTUDE 39:	3933-00 FE. 1 .15L 0d3n 11R5 NST	_	UPPLR AIR DAIA 3470020619 WHITE SANUS TABLE 20 CONT'd	1 20 L		52. 32. 106.	GEODETIC COOKLINATES 32-40043 LAT DEG 106-37033 LON DEG	
GEUMLTRIC F ALIIFUL MSL FEEI MI	PRESSURL MILLIBARS	PRESSURE TEMPEMATURE AIR DEWPOINT MILLIDARS DEGREES CENTIGRADE	REL HUM. PERCENT	REL.HUM. DENSITY SMEED OF PERCENT GM/CUBIC SOUND METER KHOIS	SPEED OF SOUND NIGOR	"IND DATA LINE CITON SPEED LEGIRESTIN) KNOTS	1A SPEED KNOTS	INDEX OF HEFRACTION	
107900.0	6.1	-43.3		12.0 5	9.069			1.000003	
104100.0	6°/	8.574- 4.64-		12.0	590.6			1.000003	
108200.0		# E # E		11.9				1.000003	
104400	8.7	14004		H				1.00000	
108500.0	7.7	-43.5		11.7				1.000003	

¥1-1	ESSURE 6	PRESSURE GEOPOTUNITAL		TEMPERATURE	KEL HUM.	WING DATA	DATA
716	WILLIBANS	FEET	DEGNEES C	DEGREES CENTIGRADE	FERCEN	LEGALLS (IN)	N PALED
	850.0	5123.	4.5	-14.3	24•	43.6	۷.6
	800.0	6740.	3.0	-19.3	17.	\$ 060	2.7
	750.0	8447.	1.2	-21.1	17.	291.1	11.4
	700.0	10260.	-1.5	-24.0	10.	300.7	14.1
	650.0	12188.	1.6-	-25.3	10.	315.1	23.3
	600.0	14256.	-6.2	-24.5	22.	304.0	25.8
	550.0	16472.	-10.4	-27.7	24.	301.9	20.1
	500·n	18858.	-15.3	-33.1	20•	310.8	34.0
	450.0	21444.	-20.1	-37.0	19.	323.2	6.54
	400.0	24265.	-27.8	~· + +	18.	323.8	45.8
	350.0	-7364	-35.8	-51.8	17.	323.0	54.2
	300.0	30810.	8.77-			3<0.2	56.0
	250.0	34714.	-55.6			319.7	59.7
	200.0	39249.	-60.5			290.5	67.0
	175.0	42041.	-60.5			596.4	59.9
	150∙₁	45192.	-59∙8			265.7	46.3
	125.0	48925.	9.09-			284.4	41.2
	100.0	53412.	-62.5			281.3	40.6
	000	57951.	0.19-			292.3	20,0
	70.0	00678	-59.1			267.2	£°0
	60·ŋ	63846.	-57.9			5<0.4	15.1
	20.0	67626.	-55.9			560.4	8.0
	0.07	72259.	-57.4			C.90	4.5
	30.0	78257.	-52.9			45.7	10.9
	25.0	82120.	-52.5			2.66	19.0
	20.0	86955°	9.44-			114.1	۵ , 5
	15.0	93214.	7.64-			114.8	0.7
	10.0	102178.	-41.7			265.6	34.8

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE NAS ULED IN THE INTEMPOLATION.

GEODETIC COUNDINATES	33.10712 LAT UEG	106.49511 LON I/EG

REL.HUM. PERCENT	2				•				•	32.0	29.0	27.11	17.0																								
ERATURE DEWPOINT CENTIGRADE	-6.1	•	-7.2	-7.7	-11.2	•		-21.5	7.42-	-19.8	-30.1	-32.9	-38.0	-43.2	-50·B																						
TEMPERATURE AIR DEWPUIN DEGREES CENTIGH	1	7	2.1	3.7	3.1	1.2	•	•	•	-5.8	-16.3	•	•	-28.2	-38.2	-45.7	-56.5	•	•	-65.1	-	•	•	•	•	•	•	•	-59.3	-62.7	-59∙8	٠	•	-58.9	~56.7	-54.0	0.04-
FOMETHIC ALTITUDE HSL FEET	4051.0	4107.4		4396.6	•	6383.8	20	•	.666?	1,900.4	18851.4	•	•	_		-	34711.8	•	•	39283.3	40979.7	_	_	-	-	50412.0	5)132.1		45.	168.	60859.2	÷	÷	57.	940.	S	63853.3
PRESSURE MILLIBARS	885.3	883.4	9.779		0.050	810.8	791.B	700.0		٣.	0.0	r	٠,	چ	۲.	•	250.0	٥	٧	•	e.	ď	153.6	0	6	Ŧ.		æ	0		0		9.	0.0	5.9		23.5

STATIO, ALIITUDE 15 DEC: 62 ASCENSION NO. 2	٠.	7651.60 FLLT _E SL 0835 HRS MST 6	.T _{6.} SL MS1		UPPLR AIN DATA 3490030206 JALLEN TABLE 23	00 JA 1 A		4E0DETI 33• 106•	VEODETIC COORDINALES 33-16712 LAT DEG 106-49511 LON DEG
GF.UME TK1C	PRESSURE	TEN	TEMPEKAT, PE	REL.HUM.	DENSITY	SPEEU OF	A INU DATA	J.A	INCEX
ALTITUDE	NILLIONKS	A I'R DE CREES	UE WPO INT	PERCENT	GM/CUBIC METER	SUUND	UTRECTION	SPEEU KNOTS	OF REFRACTION
							5	•	
4(121)	3000	1	-6.1	0.49	1127.6	644.3	•	0.	
4500.0	370.4	3.6	-8.2	41.7	1094.0		7,36.0	3 .	1.000260
2000.0	854.2	٠. د.	-10.5	35.6	1075.5	_	236.0	٥.	
5500.0	#30.3	เก๋ ณ์	-12.0	33.1	1056.1	2.240	0.002	3 · ·	1.000248
0.00.19	9529	¥•1	-13.2	31.9	1041.3		9.7.7	5°	
0.0007	> 100 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		-15.0	28.4	1025.8	_	0.60		1.000238
7500.5	771.2	- PC	7-02-	17.5	986		4.05°		1.000224
0.0000	762.0		1.02.	17.9	964.1		303.4		1.000222
95000	740.2	.	-20.9	18.4	952.4		307.0	3 · 0	1.000218
9.000.	7.34.2	1	-21.0	18.8	936.0		501.5	10.0	1.000214
9500.0	720.3	5.1	-21.1	19.3	919.9	_	9.86.7	10.9	1.000211
10000	70c.8	-1.0	-21.2	19.8	1.406		302.9	12.4	1.000207
10500.0	4.569	-1.5	-21.5	20.0	888.8	64463	305.4	14.2	1.000204
11000.0	5.099	-2.2	-22.0	20.0	873.9		300.8	16.3	1.000200
11500.0	607.3	-2.8	-22.0	20.0	659.3		306.4	18.6	1.000197
12000.6	9.459	4.6-	-23.1	20.0	845.0		305.8	0	1.000193
1,500.0	642.1	14.1	-23.6	20.0	830.9	_	503.7	22.8	1.000190
1 3000.0	654.9	L++-	-54.5	20.0	817.0	_	4·20°	24.5	1.000187
13200.0	617.8	-5.3	-21.5	26.7	803.0		393.7	25.3	1.000165
Tanno.n	605.0	 	-20.0	31.9	789.5	_	305.0	26.2	1.000182
5-006-7	•	1./-	-21.1	31.6	7.1.5	_	3000	2.12	1.00017
15000.0	1000 1000 1000	T•€	-22-1	31.5	753		304.0	7 00 00 00 00 00 00 00 00 00 00 00 00 00	1.000176
3.00001		7.61	14041	2010	1.507	•	2020		1.000173
0.000	541.45	110.5	2 - 1 C	1000	7.002	n.1cq	1000	21.0	0/1000.1
17000.5	530.0	-10.4	2.65.	30.1	718.4		0.747	34.2	************
17500.0	527.5	-13.4	-77.3	29.8	707.2		0.962	35.5	1.00016.1
18000.0	•	-14.5	1.87	29.5	2.969	020.7	4.567	36.9	1.000158
16500.0	507.05	-15.6	-59.4	29.5	685.4		4.862	39.4	1.000150
19000	497.0	-10.6	-30.4	28∙#	674.5		505.4	42.1	1.000153
19500.0		11/1-	-31.4	28.0	663.2		304.4	42.5	1.000150
÷00007	471.2	-18.3	-52.5	27.3	652.0	022.1	305.0	42.5	1.000148
20202	401.6	-18.8	-34.6	23.1	640.4	_	304.6	40.7	1.000144
2.1000c	458.1	-19.3	1.46-	17.0	620.6	_	20405	39.4	1.000141
<1500.0	1.00 to	-20.6	-31,·H	17.8	619.0	_	305.9	38.5	1.000139
42000.C	C. P. C.	-22.0	-39.5	18.6	5.609		7•/05	39.00	1.000137
22500.6	1 - (1) t	# · 10 % - 1	F = 0.1	19.3	5.009		309.5	41.2	1.000135
22000.0	421.6	1-541-7	-d I • I	20.1	591.1	-	311.5	43.5	1.0001.3
43500°C	412.9	-20.1	6-11-0	20.0	284.	612.4	511.9	9.11	1.000151

ocobetic coordinates 33.10712 lat deg 106.49511 lon deg	INCEX	OF HEFHACTIOI.	1.000129	1.000127	1.000124	1.000122	1.000120	1.000118	1.000117	1.000115	1.000113	1100011	1.000109	701000-1	1.000105	CH1000-1	2010001	47:000·1	1.000097	1.000095	T•000043	1.00n092	1.000090		1.000045	1.000063	1.000062	1.000080	1.000079	1.0000.1	1.000076	1.000074	1.000011	1.000069	1.000067	1.000065	1.000004	1.0000.2	1.00001	1.000059
oEODETIC 33.1 106.4	4	SPEEU NROTS	45.0	47.3	50.3	52.2	53.9	53.7	54.1	55.8	57.5	28.5	9.64 6.19	0.10	61.7	7.70	10	200	62.7	63.5	1.40	62.7	57.9	54.6	52.9	51.5	52.1	53.1	56.1	59.3	50°5	62.9	65.4	64.2	62.2	59.9	58.0	26.5	9. 4. 6.	52.4
	MINU DATA	HEGRELS (18)	311.6	311.2	310.8	311.0	1110	8.600	308.5	2. / n.	300.0	2000	308•1	3.040	312.2	774.7	1 1 1 1	514.2	6.510	313.8		314.5	514.8 514.8	313.4	309.8	305.9	304.1	<98.5	5.06≥	5.467	2,62,2	4267	60.62	2,46.3	<90·1	<45.5	σ•±6>	7.467	2,000	535.3
الار اد	Ľ,	SOURS NI 40 FS	610.7	6.800	2.200	602.5	603.6	602.1	c00.3	298.6	54966	24060	593.6	6.160	590.5	9.000	10000 10000	1.684	581.5	579.7	8.//0	576.0	574.2	574.3	570.8	569.3	567.8	5666.3	9.400	562.3	561.7	562.9	565.1	20105	£-69G	269.0	9-895	564.5	568.3	568.0
UPPER AIR DAIA 3490030200 JALLEN TABLE 23 Cont'd		6M/CURIC METER	573.4	564.5	555.6	54c.8	538.1	529.7	521.3	513.2	0.000	0.06	7.000		1.2/4	104	1000	0 1 3 3	433.5	420.1	6.014	411.8	397.0	380.6	381.2	373.9	360.8	359.9	355.0	346.4	9.65C	2.000	519.7	309.0	299.9	292.4	280.2	34.5	7,5.1	/•042
5	REL.HUM.	PERCENT	21.6	22.2	22.6	23.0	23.4	23.6	24.3	24.1	**2**2	*****	10.01		7 . 0	•																								
1 ch 1.5k	TEMPERATUPE	AIK DEWPOINT DEGREES CLUTICRADE	-42.1	-43.7	l • h h -	-45.7	8.94	-47.8	9.84	6.65-	5161	0.00	7.00-		472-0	6.21																								
u500 F _{E1} 1 45L 0835 HRS MST	TEMP	A1K DFGREES	-27.5	-28.9	-30.2	-31.6	-33.0	-34-3	-35.7	1./C-	138.4	0.44	747.3	7 7 7	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1=0.0	9.2.1	0.64-	-50.4	51.9	1.00	154.5	-55 -56 -86	-57.4	-58.5	-59.6	-60.7	-61.9	-63.0	1.40-	2.09	16.4.4	-62.8	-61.5	9.6	8.65-	0.00-	2.09-	100	0.00-
# ၁၉	PRESSURL	MILLIUMES	7.404	3,30.9	367.4	379.2	371.1	300.	350.44	24.4.3	740.0	300	314.1	1	30402	20/07	29(1.5	283.7	277.2	276.5		72G•4	252.5 24c.6	240.7	234.9	229.2	225.7	218.3	213.9	20102	2079		19361	1980	183.8	1.671	175.1		10000	0.701
STATION ALTITUDE 15 DEC+ 62 ASCENSTOF 60- 20	GEORIE TRIC	NSC FEET	0.00007	2.4500.0	6.00032	<55500 · 0	200007	0.00002	27:100.0	0.00072	0.00000	0.00000	0.000455	0.00004	5.500.0	31000.0	31500.0	32000.0	32500.0	33000-6	3.00000	3499000	35000.0	9.003cc	30000.0	30503.0	37000.0	0.00575	33000.0	0.00000	0.0000	0.00060	0.0000	0.0000	41000.0	41500.0	0.00024	0.00024	0.00000	40000

** AT LLA, TONE , SSUMED RELATIVE HUMINITY VALUE WAS USE! IN THE INTEMPOLATION.

STATION ALTITULE 15 DEC- 62 ASCENSÍON NO- 24		4051.00 FL! T HSL 0835 HRS MST 6	T HSL MST	J	UPPLR AIK UNT 349003020 JALLEN TABLE 23 Cont'd	۸ ۲ ع ۲		vEODET1 33• 106•	vEODETIC COURDINATES 33-16712 LAT DEG 106-49511 LON DEG
GEUIN THIC	PRESSURE	TER	TESHERATUPE	REL.HUM.	DENSITY	SPEED OF	WIND DATA	ITA	INUEX
ALTITUDE MSL FELT	HILLLUMNS	A1R DEGREES	JEWPOINT CENTIGRADE	PERCENT	GM/CUBIC METER	SOUND	UINCCTION	SPEED KNOTS	UP KLFRACTION
44000+6	158.9	4·09-			260.2	568.2	2-16-2	50.1	1.000058
3.000.44	155.1	-59.7	-		253.0	-	290.5	48.1	1.000056
45000.0		-60.2			247.0	-	7,69.7	46.3	1.000055
45500•0	147.7	-60.4			241.8	568.2	9.882	46.3	1.000054
40000	2.441	6*65-			235.5	564.9	788.4	46.3	1.000052
40500.0	140.7	-59.5			229.4		1.83.	46.1	1.00001
0.00074	0.101	0.64.			223.4		291.97	45.9	
	2.04.1	200.			216.0		6.087	2.55	1.000049
00000	126.7	T • 601			213.0		5 co.7	#5.#	1.000047
6.000A+	104.0	154.4			203.1	369.6	70	D * C	1.000045
0.0054#	121.7	-50°-			4.42	_	2.5.5	1	7,0000
500000	116.7	-60.0			194.1		283.0	37.2	1.00004
50500.0	115.9	-60.2			189.0		4.507	36.4	1.000042
51000.0	113.1	-59.9			184.8	•	∠81•6	35.6	1.000041
51500.0	110.4	F.9.1-			180.2		761.0	35.2	1.000040
22000-0	10/01	-59.6			175.8		9.082	35.1	1.000039
52500.0	105.2	-20.4			171.5	269.5	701.4	35.0	1.000038
55000.0	102.7	-26.4			167.3		∠63•3	35.0	1.000037
0.00555	100.2	-56.3			163.5	569.1	6.58	34.8	1.000036
0.00040	× .	-54.5			159.5	•	5.69.2	7.50	1.000036
54500.0	0 ° C	-59•B			155.4		6.267	34.0	1.000035
55500.6	90.6	7.09-			144.4	1.000	797.2	3.50	1.000034
50000	943.7	9.09-			145.4	-	297.5	32.8	1.000032
	ყ•იე	-60.8			142.0	567.7	497.0	32.4	1.000032
57000.0	£. +3;	-61.1			130.0		0.867	31.5	1.000031
0.00075	0 · 7:0	-61.3			135.6		5.86.>	30.5	1.000030
C•000055	ເຄ	-61.6			132.5		C.96.7	28.6	1.000050
0.00000	3.07	-6.1.8			124.5	560.3	7.957	25.8	1.000029
3.00000	70.07	-62.1			120.5	500.0	3.46.7	22.7	1.000028
5.0056.6	2 · + /	+• 79-			123.0		280.1	18.1	1.000020
C.00000	ر.در د . د	9•79-			120.0		272.6	14.1	1.000027
3-00004	7.17	-61.5			11/.1	567.0	6-167	12.1	1.000026
0.00010		7.65-			113.5	_	9.827	12.1	1.000025
0.00040		# • 6 G =			110.0		Z10.2	13.4	1.000025
מינויוניס	20	0.64-			8.701	570.1	214.5	14.6	1.000024
3.00020	•	9•85 <u>-</u>			105.0		13.9	15.0	1.000043
3.0000	1.00				102.4	3	6.17.3	13.7	1.000023
D-50cca	4.10	-56.6			7.60	573.2	4-122	12.4	1.000022

5TA1100 AL11100L 15 DEC &2 ASCENSION 1.0 - 2	J	ባህን, • 40 F , T BSL የፀ <u>35 BRS N</u> OT ለ	-	UPTER AIR LATA 34900JUZUL JALLET TABLE 23 CONT'd	0 C C C C C C C C C C C C C C C C C C C		9E0PcT1 33• 106•	GEOPLIIC COUNTINALES 33-10712 LAT ILES 186-49511 LON EEG
UFUGLTKIC ALIITUL MSL FEEI	PRESSOPE MILLIBAES	TEMPERATURE ATK DEMPOTUT PLOBEES CENTICHADE	FEL HUN. FERCENT	LE INSTRUMICOM/CUBIC	SPEED OF SOUND KIND S	ATNO DATA	SPEEU KNOTS	Itut X OF REFRACTION
044100.	2.09	6.05-		4.06		2<2 · B	۳. ن	1.000022
04500.0	500.	-57.1		7.46		9-527	6.2	1.000021
0.5500	1.00	+•16- -57.7-		90.5 90.5	5,775	0.047	- 0 - 3	1.7000.1
	7.40	6.73-		9. A.		314.0	 	1.0000.
ე•მცვიი	50.4	-5.8.2		3.08		6.54	1.6	1.00001
•	52.1	1.50 · tt		3.48		75.6	3.5	1.000019
67500.0	5.00 1	158.7		92.0		85.0	3.9	1.000013
000000	\ • N = :	-58.7		80.7		92.5	£ . 4	1.000018
9.00000 0.0000	. · · · · · · · · · · · · · · · · · · ·	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		74.5		102.6	2.1	1.000017
5.000kg	0.00	0.701		ر•٥/ د•=۲		1.022	0.,	1.000017
7.0007	7.07	1 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		* * * * * * * * * * * * * * * * * * * *	76.9	0.147	. · ·	/100001
70500	44.1	3 · · · · · · · · · · · · · · · · · · ·		70.5		1010	0 4	1.00001
710000	ひ・ り す	-56.3		1.54 1.54		2.11.3	9.2	1.000015
7.150.7.0	42.5	-50.1		67.5	573.9	6,91.1	5.0	1.000015
72009.0	~ · · · · · · · · · · · · · · · · · · ·	9.00.		8•49		318.5	3.2	1.000015
7,000.0	7 - 7	2 - U - I		0 t t		30700	7.	1.000014
31100	7 • 60			1.70		: :	ۍ د د د	1.000014
15500.3	> 000	*50.* 		51.5		20.1	6.7	1.000014
74000	0.00 0.00 0.00	1 1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0		た。 た。 た。 た。 た。 た。 た。 た。 た。 た。 た。 た。 た。 た		3 T T T T T T T T T T T T T T T T T T T	7 ° ¢	1.000013
15000.6	35.6	-55-1) II.	570.3	5.70	a.	
15500.0	34.5	6.45-		52.5		10.0	10.3	1.000012
76000.0	34.0	+54.B		54.4		81.8	12.8	1.000012
10500	₩.	-54.6		52.9		0.5%	15.4	1.00001
7.00077	3<-1			51.6		87.3	17.1	1.000011
0.60377	31.0	n • ± n ·		\$0°5		9.68	17.3	1.00001
3.000	0.00	7		7 • F t		1.16	17.6	1100001
0 * 0000 Z	2000	0 · * 1 · ·		J		6.54	18.7	1.00001
1.000 m	0 1 0 2 0 2	1000		\ • o b		1.76	6 61	1.600010
3-00067	C * 0 2 C	2.001 1.001		3 · C ·		7. 27.	21.1	1.000010
0.0000	1.07	- C - C - C - C - C - C - C - C - C - C		7 .	0.070	20.00	500	1.0001
0.00012	2000	2.20) •) • = =		K - Y - C -	2000	1 - 0000010
01500	20.02	0.101		40.0	-	9.01	9 4 1	5.00000.1 1.000000
	٠,	# C 4 -		7.00)) •	•	6:00000
3-(0020	N V	0.00			_			1 - 000000
0.0000	, ,	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		- · · · · ·				\$ 00000 t
3.0000) (T)	0 · 6 · 6 · 6 · 6 · 6 · 6 · 6 · 6 · 6 ·		37.7	N 100 K			8700001 87100011
	•	1		. ,				

MAJUATURY LEVELS 3430030200 JAHLEN TABLE 24
STATION ALTITUDE 4:15, ON FLET (S. 15 DEC: ve ASCENSION AO: 206

250.00 25	PRESSUIRE	PRESSURE OF UPOTENITAL	TEMPE.	TEMPERATURE	KEL.HUM.	WIND DAIA	A 1 A
5129. 3.1 -11.2 34. 230.0 6733. 1.5 -17.2 23. 250.3 10245. -1.2 -20.9 14. 300.9 10245. -1.2 -20.9 14. 300.9 12174. -3.7 -73.3 20. 300.1 12436. -6.5 -76.3 20. 300.7 16449. -11.2 -75.1 30. 290.7 16449. -11.2 -75.1 30. 290.7 21407. -26.5 -70.3 20. 301.4 21407. -26.2 -43.7 -43.7 20. 301.4 24294. -36.7 -49.0 25. 314.4 30749. -45.7 -49.0 25. 314.4 34034. -56.5 -49.0 25. 314.4 41910. -60.0 25. 314.4 290.4 4506. -56.5 -61.6 25. 26.4 57.06. -56.9 26.9 26.9 26.9 60.65. -56.9	SITELIBARS	+L _E T	AIR DEGREES C	DE APOINT ENTIGRADE	FERLENT	DINECTION IN THE STAND	SPEED AROTS
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** AT LLAST ONE ISSURIED RELATIVE HUMBITTY VALUE NAS DEEF IN THE INTERPOLATION.

